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The
# CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper

3510 VOL. CXLVII MAY 31, 1947 Annual Subscription (with Diary) 30/-. Single Copies 1/-.

Lilly
TRADE MARK

'MERTHIOLATE'
TRADE MARK BRAND
SODIUM ETHYL MERCURI THIOSALICYLATE

'Merthiolate' is noted for its general applicability in clinical antiseptics. The germicidal action of 'Merthiolate' is prompt and its antiseptic effect is well sustained. Tincture 'Merthiolate' is intended for presurgical disinfection of the skin. Solution 'Merthiolate' is stainless, non-irritating and is intended for general clinical use. 'Merthiolate' is also supplied in ointment, cream, jelly and suppository forms.

P.A.T.A.

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HANTS

128 Fluid Ounces (3.63 Litres)
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'MERTHIOLATE'
Sodium Ethyl Mercuri Thiosalicylate
1 in 1000—STAINLESS
Contains: Merthiolate = Sodium Ethyl Mercuri Thiosalicylate 0.1% w/v; Monoethanolamine 0.1% w/v.
A stable, stainless, organic mercury compound solution of high germicidal value, particularly in serum and other protein media.
Do not use in combination with or following the application of acids, the salts of heavy metals, or iodine.
Use only as directed by the physician.
POISON NOT TO BE TASTED
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POISON FOR EXTERNAL USE ONLY
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Coloured Alcohol-Acetone-Aqueous Solution
Contains: Merthiolate = Sodium Ethyl Mercuri Thiosalicylate 0.1% w/v; Alcohol 50% v/v; Acetone 15% v/v; Monoethanolamine 0.1% w/v; Water Q.S. With sufficient inert colouring material to define the area of application.
A superior germicide for pre-surgical preparation of the skin and first aid antiseptic.
To be used as directed by the physician.
ELI LILLY AND COMPANY LIMITED, BASINGSTOKE, ENG

One Drachm (POISON) No. 59
OINTMENT
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Sodium Ethyl Mercuri Thiosalicylate
Contains 'Merthiolate' = Sodium Ethyl Mercuri Thiosalicylate 1 in 2,000.
An organic mercury compound of high germicidal value, in a paraffin base.
POISON
To be used as directed by the physician.
ELI LILLY AND COMPANY LIMITED, BASINGSTOKE, ENG

One Ounce (POISON) (28 gm.)
'MERTHIOLATE'—CREAM 1 : 1000
Sodium Ethyl Mercuri Thiosalicylate
ELI LILLY & CO. LTD. BASINGSTOKE, ENG.

'MERTHIOLATE'—JELLY 1 : 1000
Sodium Ethyl Mercuri Thiosalicylate
POISON
ELI LILLY & CO. LTD. BASINGSTOKE, ENG.

One Drachm (POISON) No. 11
OPHTHALMIC OINTMENT
'MERTHIOLATE' 1 : 5000
ELI LILLY & CO. LTD., BASINGSTOKE, ENG.

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# INDUSTRIA

*for rapid sealing that keeps contents* **FRESH**

**INDUSTRIAL TAPES LIMITED**

92-94 NEWMAN STREET LONDON W1 MUSEUM 4125 & 8246

# Plate Glass Prescription

The front page of any popular newspaper can teach us all a thing or two about display. The newspaper doesn't award equal display value to everything. It selects—gives real prominence only to the important items.

A very good customer of ours with a magnificent pharmacy on a main thoroughfare paying a high rental kept in a centre Simpson Foot Ointment display (only 2½ feet wide) for 17 weeks and did such an amazing turnover that our Managing Director went to see him to find out how he did it. "I don't do anything specially" said the chemist "except keep the display in. But I know of course, exactly what my window sells. You see I pay here 33/8 per foot of window frontage all-in per week and I keep a card index of the gross yield per foot of space each display brings. Simpson's Foot Ointment, with the terms you give, is the 2nd most profitable line I have so naturally it is one of the most prominent items in my window."

That's realism. And realism pays in business. What's the alternative? You can crowd the window with everything and get a jumble—a confusing array of distracting products many of which pay only 18% to 30% and are not C.F. !

No, a jumble isn't an eye catcher. It doesn't make people stop. It doesn't bring people in. In short, it doesn't represent a realistic, scientific use of window space. Try a really bold display of Simpson's Foot Ointment. You'll be on a pretty good wicket. From a recent independent large scale market research, Simpson's Foot Ointment topped the list as the largest selling of *all* foot preparations. And, you get just over 40% on best bonus terms. Simpson's is C.F. anyway.

J. W. SIMPSON (CHEMIST) LTD., IODINE HOUSE, MUSEUM STREET, W.C.1

*An announcement concerning*

# NURONA

*Sunbronze and Suntan* **CREAMS**

The Limitation of Supplies (Toilet Preparations) Order, together with the shortage of bottles, makes it possible to produce only a fraction of pre-war output of NURONA Sunbronze and Suntan Creams. We regret, therefore, that many of our customers will be disappointed with their supplies during the summer months.

JAMES WOOLLEY, SONS, & CO. LTD.
Victoria Bridge, Manchester, 3

WN35

# Now being advertised to the Medical Profession

—for the scientific control of hyperacidity. A colloidal gel containing 6% aluminium hydroxide which produces alkalinity of the gastric contents without causing additional secretion of acid. Palatable and pleasant to take.

Subject to 33⅓% trade discount, all orders can be executed immediately.

Available in 6 oz., 12 oz. and 80 oz. bottles.

PATA

Crookes **LACTALUMINA**

THE CROOKES LABORATORIES LIMITED
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# It's a question of BASE

**Why customers, medical and lay, like FLAVOGEL.**

The usefulness of 'Flavogel' as a first-aid antiseptic is due in large measure to its water-soluble jelly base. The highly potent antiseptic of 'Flavogel', 5-aminoacridine hydrochloride, is presented in a homogenous preparation from which it cannot separate out. In this form it is more effective and continuously active at the site of application. 'Flavogel' has many other advantages over liquid antiseptics which your customers will appreciate and which increasing demand confirms. For instance, 'Flavogel' is clean to handle, ready for direct application, and does not stain skin or clothing. In tube or jar it is easily carried or stored. Moreover, 'Flavogel' enjoys the confidence and backing of the medical profession; more and more doctors, when prescribing an antiseptic, specifically name 'Flavogel.' Physicians and nurses are regularly reminded of 'Flavogel.' It is a Glaxo product you can recommend with confidence. Check over your 'Flavogel' stock now, replenish and make the most of this lively line. The special parcel of two dozen tubes at 24/- shows a substantial profit margin of 6d. per tube.

FLAVOGEL

5-Aminoacridine Hydrochloride in water-soluble jelly base.

1 oz. tubes 1/6d. **(Special parcel of 2 doz. tubes 24/-).** 9 oz. jars 10/6d.

*Plus Purchase Tax.*

*Please send back immediately all Glaxo returnable fiberite outers to help us maintain deliveries. Payment is made as indicated on the cartons.*

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

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# *A STRIDE FORWARD*

ANASCABEX Recent clinical esearch has disclosed that, in the treatment f scabies, pediculosis eczema, seborrhœa, tc., a new organic thiuram compound troduced under the name of Anascabex ossesses many striking advantages over isting therapeutic measures.

his new, non-greasy, pleasantly perfumed osorbable cream is (1) Highly toxic to abies mites and eggs. (2) More rapid in ction than benzyl benzoate. (3) A remarkble safeguard against skin irritation. (4) Easily applied, clean in use, even in distribution and thorough in application. The number of applications depends of course on the severity of the infection but clinical experience has shown that in average cases, one course of treatment may be sufficient. This perhaps explains the Ministry of Health's decision to use Anascabex in their clinics.

Fuller information, price details, etc., supplied on request.

**WATFORD CHEMICAL Co. Ltd.**

**30 BAKER STREET, LONDON, W.1**

**Telephone: Welbeck 0264/8 Telegrams: Watchempro, Wesdo, London**

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Nearest to Natural Feeding.

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Will stand repeated Sterilisation.

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GUARANTEED and TESTED
In short supply but production is improving.

(WHOLESALE ONLY) CANNON RUBBER PRODUCTS

THE CANNON RUBBER MANUFACTURERS LTD., LONDON, N: 7

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## News worth noting!

## WRAPPED IN CELLOPHANE

The same familiar red box associated with Rendells Pessaries has never changed since 1885, but during war time the outer cellophane wrapping could not be used. We consider this extra refinement, always associated with reputable products, so essential that your stock of Rendells should be replaced. The Rendells' sales policy of close co-operation with the Pharmacist and to maintain Public confidence is reflected in this first postwar step of presenting Rendells Products in a manner consistent with modern methods of packing and hygiene.

★***Your stocks should be returned promptly, because the Public will now expect to purchase Rendells cellophane wrapped.***

**IMPORTANT. Postage will be refunded upon all goods returned *direct*. The sender's name and address must be written on the outside of all packages and the quantity returned stated.**

Rendells

**W. J. RENDELL LTD.**
***MANUFACTURING CHEMISTS***
161-5 ROSEBERY AVE, LONDON E.C.1.

**PRODUCTS FOR FEMININE HYGIENE**

# HIGH-SPEED PRODUCTION of

## PILLS AND TABLETS

**GROSSES — THOUSANDS — MILLIONS**

*by an organisation that has kept abreast of the latest mechanical and scientific developments.*

***YOUR ENQUIRIES ARE WELCOMED***

## ARTHUR H. COX & CO. LTD.

***BRIGHTON · SUSSEX***

# There will be MORE customers for you—amongst the MILLIONS of WOMEN who will see these advertisements

## IT'S THE BIG NEW SNOWFIRE ADVERTISING CAMPAIGN

in magazines, local papers, and in the national press that will bring WOMEN FLOCKING TO YOUR SHOP to buy the Snowfire range including Vanishing Cream, Face-Powder, Powder-Cream, Lipstick, Wave Set, etc. Snowfire Beauty Preparations are the first choice of most women who have to watch their cosmetic budget.

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Made by F. W. Hampshire & Co. Ltd., Sunnydale, Derby

THIRTY YEARS REPUTATION

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HAIR
PREPARATIONS

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COCOA NUT OIL
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HARR'S
6-8-6-B
SCURF and
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Lotion
2/3
GUARANTEED
TO REMOVE SCURF &
DANDRUFF AND TO
NOURISH THE HAIR
BRITISH MADE

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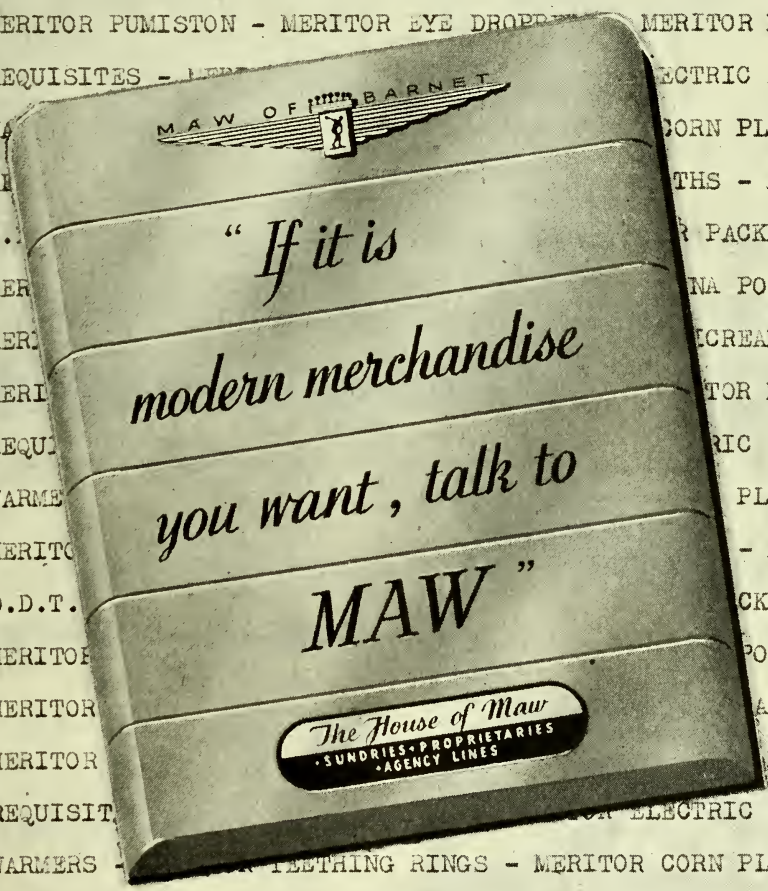


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**Dr. J. Collis Browne's Chlorodyne**
**and**
**The Pharmacy and Poisons Act, 1933**

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**SALE RESTRICTED TO REGISTERED CHEMISTS**

**PURCHASER'S SIGNATURE NOT REQUIRED**

*Sole Proprietors:*
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**A NEW, MODERN**
**SOLUBLE TOWEL**

Designed to give maximum efficiency and comfort, packed with scrupulous cleanliness and care—women will vote high marks for this new Velvet product.

*Obtainable through all wholesalers.*

RETAIL AT 1/9 A PACKET
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*Manufactured by*
Velvet Crepe Paper Co. Ltd., Alperton, Middx

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ANUFACTURING CHEMISTS · DERBY 4266-8 · ESTABLISHED 1860

# BENGUE'S BULLETIN

CF

# VELTIS
# EMOLLIENT CREAM

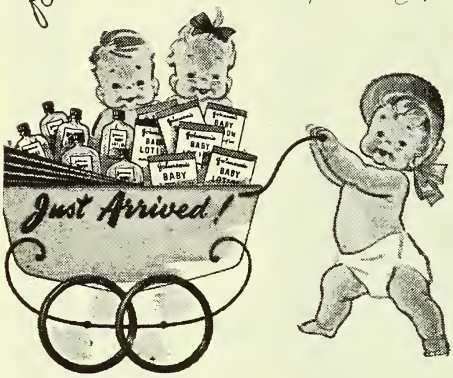
**Owing to increased Purchase Tax now chargeable on the above Cream, the following retail and trade prices are now in force :—**

| | Perfumed | Unperfumed |
|---|---|---|
| Retail ... ... ... ... ... | 5/- | 4/- |
| Trade per doz. ... ... ... ... | 22/9 | 27/- |
| Purchase Tax per doz. ... ... ... | 22/2½ (100%) | 8/10 (33⅓%) |

BENGUE & CO. LTD. — MOUNT PLEASANT — ALPERTON

# NEW

*for every nursery use!*




Johnson's
ANTISEPTIC

# BABY LOTION

Johnson's Baby Lotion is something really new in baby care, an antiseptic emulsion for cleansing, soothing and protecting a baby's delicate skin. For use after the bath, after nappie changes, for tubless baths and to prevent rash. Once a mother has used Baby Lotion you're sure of repeat business.

## But No Post Orders Yet, Please

We are sorry that the bottle position has been made so much worse by the fuel shortage that for the moment supplies of Baby Lotion are restricted. There is plenty of Lotion ready for bottling, however, and as soon as the position improves big supplies will be ready for you. Meanwhile, your J. & J. representative will allocate the supplies available at the time of his visit.

Johnson & Johnson

(GT. BRITAIN) LIMITED, SLOUGH AND GARGRAVE
*Makers of the famous Baby Powder*

# PILLS TABLETS CAPSULES

The British Made Products of

HOWARD LLOYD & Co LTD
LEICESTER

## DEVON LILAC
### TALCUM POWDER

Limited supplies now availab
for the home market.

Beautifully presented and backed by sell-on-sight display material Devon Lilac Talcum Powder shows you a generous margin of profit on a steady flow of business.

**Manufactured by D. Devon Ltd**
*Sole distributors for United Kingdo*
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*Prices on Application. Deliveries ex Stock.*

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TEL. No. - - - - - - - CENTRAL 5721

P.A.T.A.

EMERGENCY PACKING

# URALYSOL

We regret that owing to the continuing bottle shortage, we have been compelled to adopt a temporary packing, as illustrated.

**SUPPLIES OF URALYSOL ARE FREELY AVAILABLE**

P.A.T.A. 36/7d. per dozen. RETAIL 3/11½d. (including Purchase Tax).

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*(The best and safest preparation of Opium)*

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**CLARK'S** *medical*
**LIVER & KIDNEY SALT**
An old favourite and ready seller *now available again, to* retail at 1/1½d. A Newball & Mason line. Attractive pack, attractive terms. Write for details.
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*Makers of 'Vitasac'*
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*Sole Manufacturers*

*The* VITAMIN MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U. per fl. oz.)

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**Compressed TABLET SERVICE**
WHOLESALE & EXPORT
Clients' own material operated if desired. Reasonable estimates.
The DALES ASPIRIN AND TABLETING CO. Barrows Lane, STEETON, Yorks.

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TPADE MARK

PINAUD

EAU DE QUININE

for men

. . . now in reasonable supply

Pinaud EAU de QUININE is here again ! . . . same formula . . . same quality as in those fast selling days of 1939. Supplies though are not yet so plentiful.

By the way, although primarily created as a hair and scalp tonic for men, the ladies are now showing considerable interest in it.

Details of prices from leading wholesalers, or from :

PINAUD LTD., ATKINS ROAD, LONDON, S.W.12

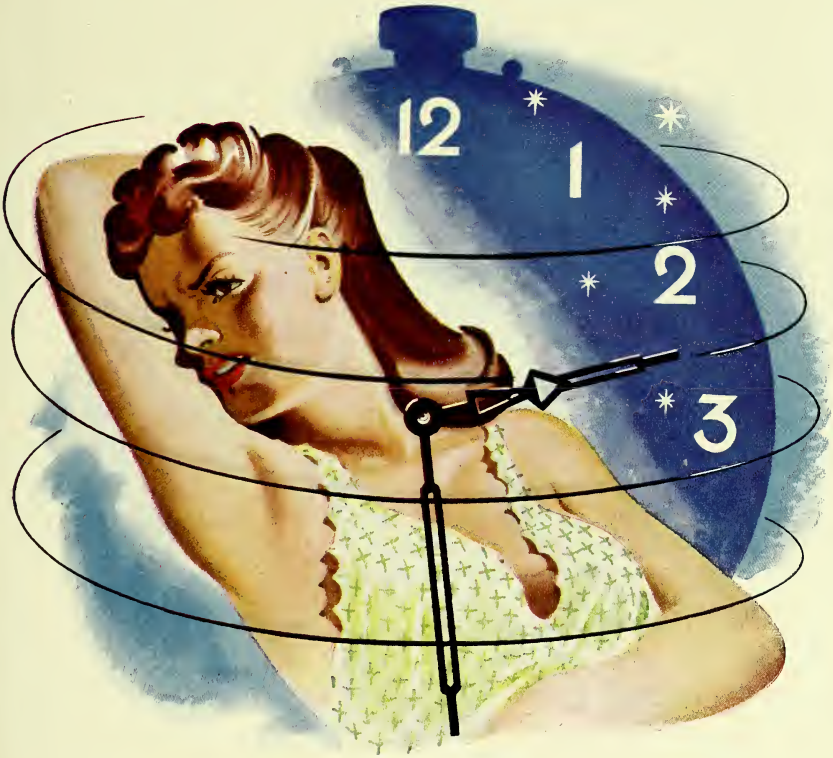
*Members of P.A.T.A. & H.T.A.*

PINAUD

PARIS LONDON NEW YORK

# B.V.U. Tablets

(BROMO*ISO*VALERYLUREA)




*A safe sedative and hypnotic. Invaluable for insomnia, nervousness, hysteria, morning sickness and travel sickness . . . . .*

A 'GENATOSAN' PRODUCT

| RETAIL | TRADE |
|---|---|
| **10 - 2/3** | **16/-** |
| **100 - 17/6** | **126/-** |
| *including tax* | *tax extra* |

10% discount on £5 display parcel

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*Telephone : Loughborough 2292*

B

Pygmalion

1441

1624

1420

Compacts,
Lipstick cases,
Cigarette cases.

Combs of every description . . .

1910

1911

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| | | |
|---|---|---|
| MATTEXTURE BASE | 10.0 | PARTS BY WEIGHT |
| STEARIC ACID | 10.0 | ,, ,, ,, |
| GLYCERINE | 6.0 | ,, ,, ,, |
| PRESERVATIVE | 0.1 | ,, ,, ,, |
| WATER DISTILLED | 80.0 | ,, ,, ,, |
| PERFUME | 0.5 | ,, ,, ,, |

*The consistency of the cream may be varied by adjusting the water content.*

### *METHOD OF MANUFACTURE:—*

**(a)** Heat the water, glycerine, preservative and MATTEXTURE in the mixing vessel to 85 deg. C. with medium to high speed stirring until the base is thoroughly dispersed. **(b)** Heat the stearic acid to 85 deg. C. and add slowly to the aqueous portion, maintaining high speed stirring for a few minutes. **(c)** Reduce stirring to minimum speed and mix until cool. **(d)** Add perfume and stir for some minutes. Excessive beating must be avoided to ensure freedom from aeration. It may be advantageous to leave the finished cream for some hours and then re-stir for a few minutes. The cream should not be packed into jars until quite cold.

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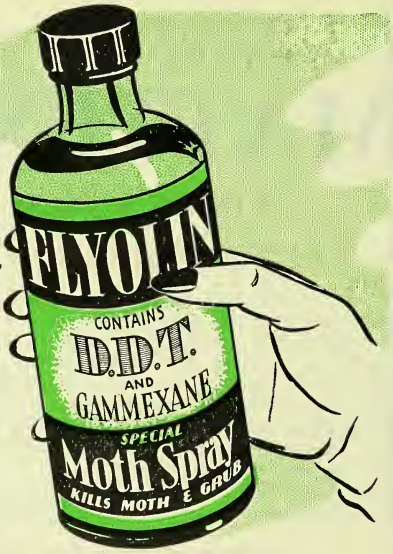


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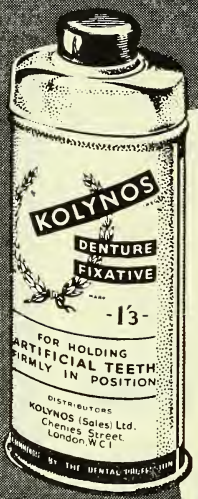


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Cotarnine phthalate
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Therapeutical Preparations

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***Use***

*A highly potent preparation for the treatment of*
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**Ampoules (2 c.c.)**
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**Bottles**
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## NEWS OF THE WEEK

**Wax from Peat.**—Plant is to be installed at North Connel, Argyll, for the extraction of ester wax from peat deposits in a bog at Achnacree.

**Chemical Society Fund.**—An appeal for a centenary fund, the interest from which is to be used to promote the international exchange of new chemical knowledge, has been launched by the Chemical Society. More than £20,000 has already been subscribed by the British chemical industry.

**Research Advisory Council.**—The following have been appointed to serve on the Minister of Supply's Advisory Council on Scientific Research and Technical Development:—Lord Hankey, F.R.S., Professors Wesley Austin, W. E. Curtis, F.R.S., Willis Jackson, and E. K. Rideal, F.R.S., and Mr. G. Robson.

**Retail Trade in March.**—Sales figures for independent retail chemists were 7 per cent. higher in March than a year ago and practically unchanged compared with January and February. A 10 per cent. increase is recorded for the period July 1946 to March 1947 compared with the corresponding period a year earlier. Sales of chemists' wares by the large-scale retailers in March show an increase of 6 per cent. on March 1946.

**London Chamber of Commerce.**—At the annual meeting of the London Chamber of Commerce (Incorporated), recently, the following nine retiring members of the Council were re-elected:— Messrs. Alan M. Gillies, W. Gordon Hill, J. H. Lawrie, Maurice A. Ockenden, R. C. Burton-Rowe, Allen L. Stock, W. J. Thompson, Charles S. Wilson, M.C., and Major J. C. Poole, M.C. The following new candidates were also elected:— Major N. A. Johns (chairman, botanical drug import merchants' section) and Messrs. J. Russell Campbell, E. Duvall Davies, F.C.A., and C. E. L. Whitehouse.

**Cold Virus Storage.**—Dr. F. Fulton, giving an interim report recently on the results of transmission experiments on the common cold undertaken at Harvard Hospital, Salisbury, said that filtrates containing the common cold virus maintained their activity for at least four-and-a-half

months at −76°C., but at ordinary ice-box temperature (+4°C.) activity persisted for only three days. The nasal washing could contain substances of different sizes, the upper, but not the lower, limit of which was fixed. The most common incubation period was two to three days, but few colds developed after five or six days.

## LOCAL NEWS

**Sheffield Packaging Exhibition.**—Sheffield junior chamber of commerce is arranging an exhibition of display and packaging at the Cutler's Hall, Sheffield, September 22-27.

**Manchester Golf.**—Members of the Manchester Chemists' Golfing Society played a competition on May 21 for a prize presented by Mr. S. D. Andrew (captain). The winner was Mr. B. Anderson (67) with Mr. G. L. Whittaker (75) second.

**Sheffield Women Pharmacists.**—At the first meeting of a newly-formed Sheffield Branch of the National Association of Women Pharmacists on May 19, Miss A. I. Murray, 176 Langsett Road, South Oughtibridge, nr. Sheffield, was elected *Secretary*. An address entitled "Pharmacy Today" was given by Miss Mary A. Burr, Nottingham.

**Blackpool Dance.**—More than 100 members of the Junior Section of the Blackpool Branch of the Pharmaceutical Society attended a dance held recently. Mr. J. Walker-Blundell (chairman) thanked those who had donated prizes for distribution during the evening, and announced that another social event was being planned for the autumn.

**"J. Rutherford Hill Prize."**—At a meeting of the governors of the Heriot-Watt College, Edinburgh, recently, an offer by the Edinburgh and South-eastern Scottish branch of the Pharmaceutical Society of an annual prize of £3 3s., to be known as the "J. Rutherford Hill Conference Prize," and to be awarded to the best student of the Chemist and Druggist course in the subject of pharmacy, was accepted.

**Manchester N.P.U.**—The annual meeting of the Manchester Branch of the National Pharmaceutical Union was held on May 15. The secretary's report, presented by Mr. T. Miller, and the treasurer's report and balance sheet, presented by Mr. W. Edwards, were both adopted. After an interval during which refreshments were served, Mr. H. Steinman (a member of the N.P.U. Executive) spoke on "The National Health Service and Pharmacy." A lively discussion followed.

**Bournemouth *v.* Southampton.**—The first cricket match for the Alderwich trophy was played between the Bournemouth and Southampton Branches of the Pharmaceutical Society on May 21. The match resulted in a win for the Bournemouth team with 152 for 6, declared, against Southampton, 17. The tournament is a series of games between the Bournemouth, Portsmouth and Southampton Branches. The next match, Bournemouth, *v.* Portsmouth, is being played at Fleming Park, Eastleigh, on June 1.

**Manchester Officers.**—The following officers of the Manchester Pharmaceutical Association have been appointed:— *President,* Mr. H. Steinman; *Vice-presidents,* Messrs. J. R. Walmsley and E. Cronin; *Treasurer,* Mr. G. V. Tyler; *Social Secretary,* Mr. W. Williamson; *Secretary,* Mr. T. Miller, 3 Wyngate Road, Hale, Cheshire. The following are the new officers of the Manchester Branch of the Pharmaceutical Society:— *Chairman,* Professor H. Brindle; *Vice-chairman,* Mr. H. Steinman; *Treasurer,* Mr. G. V. Tyler; *Secretary,* Mr. T. Miller.

**London Masonic Meeting.**—A post-war reunion meeting was held in London recently to celebrate the tenth anniversary of Pedestal Lodge (No. 5653) (see *C. & D.*, 1937.I.509). Among those present were Major A. A. Kenningham, B.Sc., Messrs. A. Mortimer, O.B.E., M.P.S., G. O. Woodward, and W. J. Williams, M.P.S. (P.E.G.) (all past masters of the lodge) and Messrs. H. E. Chapman, J.P., M.P.S., J. S. Walmsley, M.P.S. (P.A.G.B.), C. H. Maile, F.C.S., C. E. Taylor, W. Griggs and T. M. Davis. Among the visitors were Messrs. Thomas Marns, M.P.S., P. G. Hunt, A. W. Field, Ph.C., H. G. Middleton, S. G. E. Stevens, F.R.I.C., Ph.C., and L. S. Adams.

**Portsmouth Reorganisation.** — Steps were taken at the annual meeting of the Portsmouth Chemists' Association recently, to restrict membership to retail proprietor pharmacists. The Association is being reorganised to act as the link between its members and such bodies as the National Pharmaceutical Union, the Chemists Federation, the local chamber of trade, etc. The resignation from the secretaryship of Mr. F. H. Ruoff, after twenty-two years, was accepted with regret (see p. 614). The following officers were elected:— *President,* Mr. A. G. Bradburn; *Vice-*

*president,* Mr. E. B. Johnson; *Treasurer,* Mr. N. L. Banks; *Secretary,* Mr. R. G. Tremlett, Fratton Bridge, Portsmouth.

**Walthamstow N.H.S. Discussion.**—Mr. P. Willcocks was in the chair at a meeting of the Walthamstow Branch of the National Pharmaceutical Union on May 9, when Mr. F. G. Wells (a member of the Pharmaceutical Society's Council) described the machinery set up to administer the National Health Service. Rates of remuneration and terms of service for pharmacists, which were not yet fixed, must make it possible for the dispensing department to be self-supporting, said Mr. Wells. Prescription ingredients should not be priced down to fractions of a penny less than one half-penny, and an extra fee should be payable for mixtures of more than 8 fl. oz.

## OVERSEAS NEWS

**American Medical Convention.**—The annual convention of the American Medical Association, to be held in Atlantic City, New Jersey, June 9-13, will mark the centenary of the Association. Professors Sir Howard Florey, George W. Pickering, and Herbert John Seddon have been invited to represent Great Britain at the convention.

**President's Call for "N.H.I."**—President Truman, in a special message on May 19, urged the United States Congress to give immediate attention to the enactment of a national health and disability insurance scheme. The programme suggested by the president included: (1) Adequate public health services including an expanded maternal and child health scheme; (2) additional medical research and education; (3) more equal distribution of doctors and hospitals; (4) insurance against the cost of medical care; and (5) protection against loss of earnings during illness.

**Round Tour.**—Mr. George Cruickshank, who was pictured in last week's issue (p. 580) with Mr. H. A. Berens setting out for Belgium and Holland while on an independent business trip to the Continent, is, of course, general manager of Carnegie Chemicals (Welwyn), Ltd., and their associated company, Carnegie Quinine Works, Ltd., Welwyn Garden City, which companies are not in any way associated with Carnegie Bros., Ltd., London. The error is regretted, but the report was printed in good faith from a manuscript sent in by a correspondent fully acquainted with the persons shown in the illustration.

## IRISH NEWS

**Ulster Associates.**—A meeting of the Associates' Committee of the Ulster Chemists' Association was held in Belfast, on May 22. Mrs. E. H. Barr, Ph.C. (chairman), referred with regret to the resignation, for business reasons, of Mr. H. W. Gamble, Ph.C., who had been the first chairman of the Associates' Section. Mr. Gamble, said Mrs. Barr, had been a great strength to the committee and had for a time acted as secretary. The committee wished him all success. The following were approved for Associateship:— Mr. Thomas J. Lemon (pharmaceutical chemist); Messrs. R. J. Ballentine and Max Crone (assistants); Messrs. John Cunningham and D. McAlinden (apprentices). The secretary reported that, following a special meeting of the Associates' Section called to discuss the decision of the U.C.A. Executive Committee not to recommend an increased wages scale prepared by the Section, the matter had been referred to the Ministry of Labour, and there was a possibility that the matter might again be considered by the Joint Council (see *C. & D.*, May 17, p. 569).

**Irish Drug Association.**—The following have been elected to membership of the Irish Drug Association:— Mara Chemists, Dean's Grange and Glenageary; the Misses Dympna Mulligan, Dublin, and M. O'Malley, Oughterard, co. Galway; and Messrs. V. P. Mangan, Limerick, M. Fortune, Wexford, A. E. Dignan, Sutton, and M. J. O'Shaughnessy, Dublin.

**Eire Chemists' Golf.**—Members of the Irish Chemists' Golfing Society played for trophies presented by May Roberts (Ireland), Ltd., in a match held in Dublin on May 7. The first competition, an 18-holes strokes, was won by Mr. E. MacManus (12) with 69; runner-up was Mr. J. G. Coleman (24) with 71. An 18-holes bogey game was won by Messrs. A. Walsh (15) all square, M. Costello (10) 1 down, J. Fitzgibbon (9) 1 down, and D. Gillen (18) 1 down. At a supper held after the match, Mr. P. McAuliffe (captain) presided. After the prizes had been presented a cordial vote of thanks to the donors was passed on the motion of Mr. MacManus, seconded by Mr. Coleman. Chemists wishing to take part in an outing to be held at Bundoran, June 14-16, should communicate with Mr. Phil Fahey (secretary), 5 St. Stephen's Green, Dublin, from whom full particulars of the outing may be obtained.

# COMPANY NEWS

SOVEREIGN TOILET PREPARATIONS, LTD. (P.C.).—Capital £100. Mary M. Williams and Miss Jessie M. H. Lockwood, directors. R.O.: 10 New Bond Street, London, W.1.

GOODBODY, LTD. (P.C.).—Registered in Dublin. Capital £10,000. To carry on the business of chemists, druggists, etc. Michael P. Lavelle, subscriber, 23 Iveragh Gardens, Crumlin, Dublin.

HUGH B. MCMINN, LTD. (P.C.).—Capital £10,000. To carry on the business of chemists, druggists, etc. Jenny M. McMinn, William Findlay, M.P.S., and Andrew Caldwell, M.P.S., directors. R.O.: 19 Main Street, Wishaw.

S. WEST, LTD. (P.C.).—Capital £2,000. To carry on the business of wholesale, retail and manufacturing chemists, druggists and opticians, etc. Stanley West, M.P.S., and Edwin L. Midgley, M.P.S., directors. R.O.: 258 Victoria Road East, Leicester.

CAMERON & CHADWICK, LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturers of and dealers in soap, cosmetics, toilet preparations, perfumes, etc. Margaret A. Cameron and Millicent Chadwick, directors. R.O.: High Street, Gargrave, Yorks.

GIBIAN, LTD. (P.C.).—Capital £2.000. To carry on business of importers and exporters of and dealers in merchandise of all kinds, including chemical compounds, medicines and medicinal goods. Ernest Gibian, director. R.O.: Aldine House, 10 Bedford Street, London, W.C.2.

EASTBOURNE PLASTICS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in combs, toilet and manicure sets and cases, etc. John M. Cooke, and Thomas A. Winter, directors. R.O.: Broadmead House, Panton Street, London, S.W.1.

MITCHELL N. HUNTER, LTD. (P.C.).—Registered in Edinburgh. Capital £10,000. To acquire the business of a chemist, druggist and optician carried on by Mrs. D. Melrose as "Mitchell N. Hunter" at Callendar Riggs, Falkirk. Davina Melrose and Gordon M. Graham, M.P.S., directors.

M. ATKINS, LTD. (P.C.).—Registered in Dublin. Capital £15,000. To carry on the business of manufacturers and distributors of cosmetics, toilet and shaving soap, etc. George F. Devlin, Mary Devlin and Liam Devlin, directors, all of 29 Patrick Street, Cork.

PEBOC, LTD. (P.C.).—Capital £50,000. To carry on business of manufacturers of, dealers in and distributors of vitamins, fine chemicals and medicinal and technical products of all kinds, etc. First directors are to be appointed. Solicitors: Wild, Collins & Crosse, 87 Duke Street, London, W.1.

J. F. COLLIN, LTD (P.C.).—Capital £16,000. To carry on business of wholesale and retail chemists and druggists, etc. John F. Collin, Ph.C., Harold Collin, John H. Arnall, M.P.S., and Gordon C. Delph, M.P.S., directors. R.O.: The Walk, Norwich.

PRYTHERCHS, LTD. (P.C.). — Capital £1,000. To carry on the business of chemists and druggists, manufacturers of and dealers in perfumes, cosmetics, etc. James H. Bailey, M.P.S., and John O. Prytherch, M.P.S., directors. R.O.: 82 Castle Street, Hinckley, Leics.

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WRIGHT, LAYMAN & UMNEY, LTD.—A final dividend of 7½ per cent. is recommended, making 10 per cent. for the year 1946, the same as in the previous year.

ROLLS RAZOR, LTD.—Net profit for the year 1946, after taxation, amounted to £45,305 against £33,553 in the previous year. Dividend for 1946 is 100 per cent., compared with 90 per cent. in 1945.

COOPER, MCDOUGALL & ROBERTSON, LTD.—Net profit for the year 1946 after providing for taxation amounted to £138,912 as against £139,431 in the previous year. An ordinary dividend of 8 per cent. is recommended, the same as in 1945.

GERARD BROS., LTD.—Net profit for the year ended March 31 amounted to £11,819 as against £8,509 in the previous year. An ordinary dividend is recommended of 12½ per cent., the same as in 1945-46, plus a jubilee bonus of 5 per cent.

INTERNATIONAL SPONGE IMPORTERS, LTD.—Net profit for the year 1946, before providing for tax, amounted to £29,204 against £28,474 in the previous year. A final dividend of 7½ per cent. is recommended, making 10 per cent. for the year. There was no dividend declared in 1945.

KEMPTHORNE, PROSSER & CO'S. NEW ZEALAND DRUG CO., LTD.—Net profit for year ended January 31 amounted to £87,116, against £52,593 in the previous year. A final dividend of 4½ per cent. was recommended, making 8 per cent. for the year, the same as in 1945, plus a Peace bonus of 6d. for each £2 share. £41,722 is carried forward.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—Consolidated profit for the year ended March 31, of operating company and subsidiaries, after taxation, amounted to £236,214 against £276,855 in the previous year. A final ordinary dividend of 10 per cent. is recommended, making a total of 15 per cent. for 1946-47.

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WINGATE CHEMISTS, LTD.—At a meeting held at Harrogate recently, it was resolved that this company be wound up voluntarily. Mr. John Laurence Wilson, 26 Park Row, Leeds, was appointed liquidator.

# TOPICAL REFLECTIONS

### Scarcities

The Parliamentary news in your last week's issue (p. 586) is not exactly cheerful: five of its six sections relate to questions about scarcities. Glucose, glycerin, paper, medicated soap and olive oil are the commodities mentioned. Wordsworth, had he been living, might have written: "The war is too much with us." For a rough comparison with the months immediately following the first world war I have consulted the *C. & D.* for the year 1919. On February 8 of that year (less than three months after the Armistice) you announced that chemists were complaining, not that they could not obtain glycerin—for they could—but that the General Medical Council had not abolished the substitute preparations containing it which were authorised in July 1917. Some panel chemists were even using preparations containing glycerin though they were only being paid for substitutes. At the end of the following April the Board of Trade revoked the Paper Control. The present shortage of paper hits more industries and more classes of workers than has been generally realised. The other day, for instance, a letter appeared in "The Times" pointing out that many authors are either earning no royalties, or in the case of newcomers cannot begin to earn them, because of the paper stringency. As to olive oil, a Ministry of Food statement on p. 577 rubs in the unfavourable news given on p. 586. Finally, a paragraph on p. 588 shows that wholesale prices of what is called sugar confectionery are being increased while retail prices remain unchanged. I am aware of the difficulty of comparing the first post-world-war period with the second; but everyone engaged in trade and industry is entitled to ask whether all possible steps are being taken to speed up releases of essential materials.

### Amending a Constitution

A useful symposium on the proposed revision of the Pharmaceutical Society's constitution took place at the annual meeting of the Society's North Metropolitan Branch (p. 579). The result of the Council election is fairly satisfactory: the new members, and especially the member from the Manchester area, should add strength to its discussion. (By the way, my second paragraph in last week's issue should have made a reference to "many disputable conclusions drawn by the Council"; but the adjective met with an accident at the printers.) In North London Mr. A. Stewart put forward the hopeful suggestion that "the establishment of a single statutory register would release all members from jury service." It is time that all practising pharmacists were so released, and I commend the speaker's forecast to those whose duty it will be to translate it into concrete terms. The setting up of a modified examination for admitting Northern Irish and Colonial pharmacists to the British Register is justifiable as far as forensic pharmacy is involved, but must be planned so as to obviate the creation of a grievance. The remark of Mr. J. E. Blackwell that it "would not be in the interest of members to have a completely nominated Council" is somewhat puzzling: I was not aware that any such proposal had been made. My view was briefly expressed in your issue of October 11, 1941, when I submitted that a larger proportion of nominated members in the Council is desirable. This is a very different matter from having a Council containing no elected members. The balance to be aimed at is, I think, neither that of the General Medical Council nor that of the Dental Board. The disgraceful apathy of many electors at elections of the Council is almost an invitation to the Legislature to ignore pharmacists' wishes when making new arrangements.

### Thoughts of a Great Scientist

Though I cannot usefully add anything to the excellent account you have given (pp. 585, 594) of the work of the late Sir Frederick Gowland Hopkins, it may be appropriate to recall a few thoughts from the address that he delivered at the opening of the Pharmaceutical Society's College session in October 1935. In discussing the relation between vocational training and its cultural background, he expressed the view that in the case of learned professions or callings based on science a specialised intellectual background should be acquired before practice began. He was sure, he added, that the skilful teacher of students whose ultimate aim was to apply science in practice could illustrate general principles adequately while selecting facts and aspects which had a permanent vocational value. One passage is of particular interest—Sir Frederick's forecast, now on the way to realisation, of the role of biochemistry in tracing "the progress of the invisible molecular events" in living tissues.

***Xrayser***

## BIRTH

MILNE.—On May 18, Alice (*née* Taylor), the wife of John Milne, M.P.S., 47 Main Street, West Calder, Midlothian, of a daughter.

## DEATHS

COOK.—On February 5, Mr. William Cook, M.P.S., 99 Manhatten Court, Broad Street, Durban, Natal, South Africa. Mr. Cook qualified as a chemist and druggist in 1897.

GADIEL.—Recently, Harmann Gadiel, 75 Ashford Court, Ashford Road, London, N.W.2. Mr. Gadiel's name appears on the list of foreign pharmacists in the register of the Pharmaceutical Society. He was registered in 1944 under Section VIIa of the by-laws of the Society.

GAVIN.—On May 12, Mr. Walter Turnball Gavin, M.P.S., Bank House, Bungay, Suffolk, aged fifty-six. Mr. Gavin qualified as a chemist and druggist in 1914.

GRIFFITH.—On February 27. Mr. Robert Owen Griffith, M.P.S., 96 East Barnet Road, New Barnet, Herts. Mr. Griffith qualified as a chemist and druggist in 1904.

JONES.—On May 16, Mr. Edward Jones, 232 Kilburn Lane, London, W.10. Mr. Jones qualified as a chemist and druggist in 1890.

LLOYD.—On February 3, Mr. Hugh Lloyd, M.P.S., Canberra Hotel, Ann Street, Brisbane, Australia. Mr. Lloyd qualified in 1899 and was, for four years from 1935, in Gibraltar before proceeding to Australia.

MADDISON.—On May 7, Mr. Edwin Robson Maddison, 108 Oxbridge Lane, Stockton-on-Tees, Durham, aged sixty-nine. Mr. Maddison was for twenty-eight years the manager of the Stockton-on-Tees branch of Boots, Ltd.

MALLALIEU.—On May 23, Mr. Benjamin Percy Mallalieu, M.P.S., 134 Hornby Road, Blackpool, aged sixty-five, Mr. Mallalieu, who qualified in 1906, owned three pharmacies in the Blackpool district.

MATHEWSON.—On May 12, Mr. David Mathewson, 8 Hillview Terrace, Blackhall, Edinburgh, aged seventy-seven. Mr. Mathewson qualified as a chemist and druggist in 1891.

YOUATT. — On May 17, at Hale, Cheshire, Mr. Frank Youatt, F.C.A. Mr. Youatt had been chairman of James Woolley Sons & Co., Ltd., Manchester, since 1932.

## PERSONALITIES

DR. M. A. PHILLIPS, F.R.I.C., is shortly to visit the United States for research work on tuberculosis.

DR. EDITH CHU (professor of organic chemistry, Peiping University) recently visited the factory of Evans Medical Supplies, Ltd., Speke.

MR. W. H. LIGHTBOWN, M.P.S., 37 Granville Road, Blackburn, has been elected vice-president of Blackburn Sunday-school Union.

SIR ALEXANDER FLEMING has been awarded a citation from the United States, of the military order of the Purple Heart. The citation has never before been awarded to a person of non-American citizenship.

MR. E. R. HUTCHINSON, M.P.S., has sailed for Brazil to take up an appointment with Productos Evans Soc. Anon., Rio de Janeiro, and Sao Paulo. Before the war Mr. Hutchinson represented Evans Medical Supplies, Ltd., in Scotland, and later in India. During the war he served in the Indian Army as an officer in the Supply Branch.

MR. F. H. RUOFF, M.P.S., who has retired from the secretaryship of the Portsmouth Chemists' Association (see p. 610), is to maintain contact with the Association in an advisory capacity. In 1945 he was presented by the members of the local Branch of the Pharmaceutical Society with an illuminated address as a mark of appreciation of his twenty-one years' service as Branch secretary, and details of the ceremony, including an appreciation of Mr. Ruoff's activities in other sections of the profession, were the subject of an article in the *C. & D.*, 1946.1.25.

SIR ROBERT ROBINSON, P.R.S., is to be awarded the Albert Medal of the Royal Society of Arts (the highest honour the Society can bestow), for his "outstanding contributions to the advancement of organic chemistry." Sir Robert's work during the past thirty years has been closely connected with pharmaceutical chemistry. His studies on alkaloids have indicated how these bodies may be evolved in nature, and have contributed materially to elucidating the construction of the strychnine group. Other lines of study have resulted in the syntheses of sterols and hormones, while recently he has been working on the problem of the structure of the penicillins and other antibiotics.

# WILLS

Mr. Albert Smith, Ph.C., Glandfield, Spencers Wood, Reading, a former member of Kensington Borough Council, left £8,313, with net personalty £6,565.

Mr. Ernest Atkinson Hay, M.P.S., 7 Belmont Road, St. Gabriel's Estate, Chester Road, Sunderland, left £11,491, with net personalty £10,893.

Mr. Thomas Cooper Clegg, M.P.S., Eastcroft, Normanby Road, South Bank, Middlesbrough, left £2,636, with net personalty £1,009.

Mr. Charles Dewing, M.P.S., 51 Wellowgate, Grimsby, Lincs, formerly of Old Market Place, Grimsby, left £1,543, with net personalty £1,483.

Mr. Josiah Austin, M.P.S., 139 Minstead Road, Gravelly Hill, Erdington, Birmingham, left £4,443, with net personalty £4,388.

Mr. Donald Henry Moore, M.P.S., 88 Ashcombe Road, Weston-super-Mare, Somerset, left £3,651, with net personalty £2,980.

Mr. Percy John Ashfield, C.B.E., J.P., M.P.S., Den Haag, Pendffryn Road, Rhyl, Flint, High Sheriff of Flint, left £10,163, with net personalty £2,619.

Mr. Leonard Hardy Snow, M.P.S., 97 Elphinstone Road, Hastings, Sussex, formerly of 16 High Street, Marlow, Bucks, left £4,767, with net personalty £3,895.

Mr. William Harry Albert Tidy, M.P.S., 17 High Park Place, Southport, Lancs, left £2,598, with net personalty £2,193.

Mr. Walter Reeve Hiscox, M.P.S., 1 Princes Close, Edgware, Middlesex, managing director of T. C. Mansell, Ltd., Cricklewood, London, N.W.2, left £3,824, with net personalty £1,909.

Mr. William Hodgkinson Jackson, Ph.C., Silbury Garden, Crediton, Devon, and formerly of Exeter (chairman of Ernest Jackson & Co., Ltd., Crediton), left £4,684, with net personalty £4,523.

Mr. Arthur Dennis Ingram, 53 Oakleigh Avenue, Friern Barnet (chairman and managing director of J. G. Ingram & Son, Ltd.), left £18,046, with net personalty £5,619.

Mr. James Douglas Tatlock, 52 Green Hill, Hampstead, London, N.W.3 (a director of Griffin & Tatlock, Ltd., Kemble Street, Kingsway, London, W.C.2), left £7,314, with net personalty £7,037.

Mr. John Faram Victor Field, M.P.S., 24 Wennington Road, Southport, Lancs, formerly of 12 Hunts Road, Irlam-o'-th'-Heights, Lancs, left £1,203, with net personalty £1,143.

Warrant Officer William Alan Salisbury, R.A.M.C., M.P.S., St. Albans Street, Rochdale (formerly laboratory manager of J. J. Thomas & Son, wholesale and retail chemists, Rochdale), left £390.

Mr. Samuel William Hall, Ph.C., 127 Edmund Road, Saltley, Birmingham, left estate "so far as at present can be ascertained" valued at £8,343, with net personalty £4,594.

Mr. David Noble Fullerton, M.P.S., 9 Alton Road, Pownall Park, Wilmslow, Cheshire, formerly of Upper Norwood, London, S.E.19, left £6,316, with net personalty £2,795.

Mr. George Harry Briggs, The Hermitage, Carlton Road, Hale, Cheshire (chairman of G. H. Briggs, Ltd., chemical manufacturers, Manchester), left £79,275, with net personalty £75,974.

Mr. Theodore Edgar Young, 69 New Street, Halstead, Essex, formerly managing director and secretary of J. F. Marlar & Son, chemists, High Street, Halstead, left £2,834, with net personalty £1,821.

Major Arthur Wright Lupton, M.C., Ph.C., 345 Otley Road, Leeds, senior lecturer in pharmaceutical chemistry, medical school, Leeds University, and formerly head of the Leeds College of Pharmacy, left £1,386, with net personalty £894.

Mr. Philip Foale Rowsell, J.P., C.B.E., M.P.S., Nutbrook, Wuthycombe Raleigh, Exmouth (president of the Pharmaceutical Society 1926, and Mayor of Exeter 1921-24), left £76,477, with net personalty £31,436.

Mr. John Milling, M.P.S., 105 Wellington Road, Wallasey, Cheshire (proprietor of John McGuffie & Co., Ltd., chemists, Castle Street, Liverpool, and of Castellan Cough Mixture and other proprietaries), left £14,988, with net personalty £12,230.

Mr. Gerard Robert Hill, C.B., J.P., The High Hall, Thornton le Dale, Pickering, Yorks, formerly of Oxted, Surrey (chairman of the Statutory Committee of the Pharmaceutical Society 1939—March 1946, left £31,414, with net personalty £27,049.

Mr. Harry Rolfe, M.P.S., 70 Kingsley Road, Northampton (managing director of Philadelphus Jeyes & Co., Ltd., and for many years secretary of the Northampton Pharmacists' Association) left £7,688, with net personalty £5,871.

Mr. Charles Alexander Dunbar, 7 Selwyn House, Manor Fields, Putney, London, S.W.15 (vice-chairman and a managing director of British Oxygen Co., Ltd.), left £26,099, with net personalty £24,108.

Mr. John Joseph Laws, M.P.S., 9 Werter Road, Putney, London, S.W.15, dentist, chemist and optician, for many years secretary of the Institute of Chemists-Opticians, left £2,124, with net personalty £2,048.

# TRADE NOTES

**Price List.**—A new price list just issued by Genatosan, Ltd., Loughborough, Leics, is available for distribution to pharmacists.

**New Pack for Denture Fixative.**—Kolynos denture fixative is now put up in a new and improved sprinkler-top container. Details are given in this issue.

**Complex Chemicals.**—Consolidated Industrial Research Laboratories, Ltd., 295 Regent's Park Road, Finchley, London, N.3, specialise in making samples of complex chemicals.

**Snowfire Advertising Campaign.** — Snowfire Beauty Preparations (makers, F. W. Hampshire & Co., Ltd., Sunnydale, Derby) announce a new advertising campaign, particularly in women's journals.

**Return to Pre-war Quality.**—Dunlop Rubber Co., Ltd., Cambridge Street, Manchester, announce a return to pre-war quality of their hot water bottles. Supplies are not yet up to demand.

**Again Available.**—Livogen can now be sold without restriction, state the makers, The British Drug Houses, Ltd. Details are given in the advertisement of the company in this issue.

**Prompt Delivery.**—Leslie Marks & Co., Ltd., 7-9 Earlham Street, Cambridge Circus, London, W.C.2, advertise their Marksman brand of sponges, of which prompt delivery can be given.

**Swansdown Puffs.**—Beauty and baby puffs made from French skin swansdown are now available. Details of the suppliers' offer are given in the advertisement in this issue of Emmet Distributing Co., Ltd., 140 Park Lane, London, W.1.

**Press Advertising.**—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are advertising to the medical profession their speciality Crookes Lactalumina antacid, a colloidal gel containing 6 per cent. aluminium hydroxide and available in 6, 12 and 80 oz. bottles.

**Sterilisers.**—Surgical Equipment Supplies, Ltd., Westfields Road, London, W.3, are manufacturers of electric and non-electric sterilisers, hypodermic and serum syringes and spirit-proof plastic syringe cases. Descriptive leaflets may be obtained from the company.

**In Limited Supply.**—In their announcement in this issue Musterole Fine Products Co., Ltd., Brook House, Park Lane, London, W.1, regret that supplies of their M.O. (magnesia oil) are limited at the present time, owing to the shortage of medicinal paraffin.

**New Baby Lotion.**—Johnson & Johnson (Great Britain), Ltd., Slough, have marketed a new antiseptic baby lotion, of which details are given in this issue. Owing to the shortage of bottles postal orders cannot be accepted for this product at the moment.

**Labelling Tape.**—This modern style of package sealing, under the name of Sellotape, a self-adhesive cellulose-tape, is offered by the distributors, Gordon & Gotch, Ltd., 75-9 Farringdon Street, London, E.C.4, in clear or coloured, transparent or opaque, plain or printed styles.

**International Fair of Flanders.**—It is announced that this fair will take place at Ghent from September 20 to October 4. Details may be obtained from agents, Robertson, Buckley & Co., Ltd., Berey's Buildings, George Street, Bixteth Street, Liverpool, 3.

**New Foundation Cream Base.**—Polak & Schwarz (England), Ltd., 50 Great Cambridge Road, Enfield, announce in this issue the introduction of a new foundation cream base, which has been evolved in their cosmetic research laboratory. This new product is being marketed under the name of Mattexture.

**Food Supplement.**—Virdox, 75 Kingsway, London, W.C.2, recommend their product of the same name as a means of adding yeast vitamins to the ordinary diet by sprinkling over food or into beverages. Chemists are invited to write for details of trade terms, and home and overseas agents are being sought by the manufacturers.

**Use of Modern Preservatives.**—The distributors of Nipa preservatives and antiseptics, P. Samuelson & Co., Africa House, Leadenhall Street, London, E.C.3, have issued three bookets of details and instructions on the use of Nipa preservatives and antiseptics in medical, pharmaceutical and cosmetic preparations. Copies may be obtained on application to Messrs. Samuelson.

**Semi - automatic "Dispenser."** — A counter showpiece finished in Perspex enables chemists to keep their stock of Koray attractively and conveniently on the counter in full view of prospective custo-

ners. The "dispenser" is being supplied (with its contents: 3 doz. Koray cartons) at a price which is given on another page in an announcement by the manufacturers, Koray, Ltd., 25 Hanover Square, London, W.1.

**Container Shortage.**—A warning is issued by the Container Recovery Service, Lever Bros. & Unilever, Ltd., that the shortage of fibreboard cases, wooden boxes, metal drums and sacks is serious—"far worse than in the war years." The coal crisis resulted in loss of production at the board mills, and imports of raw materials were insufficient. Retailers and wholesalers are asked to open all C.R.S.-marked packages carefully, and to make sure that they hand them only to authorised collectors.

**Italian Trade Visit.** — Signor Paolo Enrietti, president of a number of Italian companies, will be in London shortly for negotiating import and export trade. He is interested in representing British manufacturers of pharmaceutical and dental products and will be offering representation here for essential oils, olive oil and other products. Communications should be addressed to Signor Enrietti, c/o Mr. H. H. Metcalfe, 16 Lucas House, Albion Avenue, London, S.W.8.

**For Issue Later.**—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have evolved a new protein hydrolysate product, to be known as Hepovite, following researches in the company's laboratories, a sequel to the original work on proteolysed liver. Hepovite is prepared by enzyme digestion of liver protein, and contains all the essential animo-acids, together with a reasonable amount of vitamins in their natural state. The product is presented in a dry granular form for oral use, to maintain the nitrogen balance in cases of hypoproteinæmia, defective intestinal absorption and increased nitrogen excretion, wherever the use of a protein hydrolysate is indicated. For the time being Hepovite is not being issued for sale, but is being offered to hospitals and suitable clinics for controlled clinical trials.

## Proprietary Articles Trade Association

**Additions to Protected List.**—*Nestle's Milk Products, Ltd.*, Nestrovite emulsion, approx. 4 oz., 3s. 3d., 26s. doz. Nestrovite tablets, 20's, 3s., 24s. doz.; 100's, 13s. 6d., 108s. doz. (All exempt from tax). (These products were formerly listed under Roche Products, Ltd.)

*Smith, Kline & French Laboratories* (sole agents and manufacturers for Menley & James, Ltd.), Benzedrine inhalers, 2s. 3d., 20s. doz., tax 3s. 4d. doz., inclusive retail price 2s. 6d. Benzedrine tablets, 5 mg., 50's, 3s. 10½d., 35s. doz., tax 5s. 10d. doz., i.r.p. 4s. 4½d. Calsiod tablets, 0.5g, 30's, 4s. 6d., 40s. 9d. doz., tax 6s. 9½d. doz., i.r.p. 5s. 1d. Sulfex (for intranasal use), 1 oz. bottles, 4s. 6d., 40s. 6d. doz., tax 6s. 9d. doz., i.r.p. 5s. 1d. Mickraform sulphathiazol suspension, 20 per cent. 25 cc. bottles, 5s., 45s. doz. (Exempt from tax). Special hospital packages: Benzedrine tablets, 5 mg., 250's, 12s. 9d., tax 2s. 1½d., i.r.p. 14s. 10½d. Calsiod tablets, 0.5 mg., 250's, 25s., tax 4s. 2d., i.r.p. 29s. 2d. Sulfex (for intranasal use) 8 oz. bottle, 27s., tax 4s. 6d., i.r.p. 31s. 6d.

**Alterations.**—*Menley & James, Ltd.*, increased prices, June 1: Iodex, 1 oz. jars 2s. 3d., 18s. 9d. doz., tax 3s. 1½d. doz., i.r.p. 2s. 6d.; 4 oz. jars, 6s., 52s. 3d. doz., tax 8s. 9d. doz., i.r.p. 6s. 9d. Iodex and methyl salicyl, 1 oz. jars, 2s. 3d.; 18s. 9d. doz., tax 3s. 1½d. doz., i.r.p., 2s. 6d.; 4 oz. jars, 6s., 52s. 3d. doz., tax 8s. 9d. doz., i.r.p. 6s. 9d.

*E. T. Pearson & Co., Ltd.*, correction to P.A.T.A. year book, 1947: Lactagol, a proprietary food product, has been included in error in the medicinal section. It will be transferred to Part 2 in subsequent issues.

*Riddell Products, Ltd.*, corrected notice: Dritax inhalers, 18s., 132s. 10d. doz. Exempt tax.

*Smith, Kline & French Laboratories*, Neuro Phosphates, Eskay brand, 4s. 3½d., 38s. 7d. doz., tax 6s. 5d. doz., i.r.p. 4s. 10d. These prices are operative from June 1.

## BUSINESS CHANGES

Mr. Edward Fraser, M.P.S., has transferred his business to new premises at 1 High Street, Buckie, Banffs.

The Irish Drug Association has established a permanent office at 27 Merrion Square, Dublin.

Pond's Extract Co., Ltd., have returned to their premises at Wadsworth Road, Perivale, Greenford, Middlesex (Telephone: Perivale 4484-87).

Mr. Walter Clement, M.P.S., has been granted permission by the Royal Court of Jersey to practise as a chemist and druggist on the island.

Mr. A. S. G. Bannerman, M.P.S., has acquired the business at 317 Maryhill Road, Glasgow, formerly carried on by Mr. Robert Crosbie, M.P.S., under the title W. Simpson & Co.

Milnsbridge Perseverance Co-operative Society, Ltd., Market Street, Milnsbridge, nr. Huddersfield, adopted at its half-yearly meeting a recommendation to "enter the drug and pharmacy business."

Mr. Robert F. Mackay, M.P.S., has acquired from Mr. John Paterson the business at 7 Kilmarnock Road, Shawlands, Glasgow, S.1, carried on under the name David Moir. The title of the business is not being changed.

Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1, have commenced production of toilet preparations and cosmetics at their new factory at Leatherhead, Surrey. Insecticides, fungicides and aminoacids continue to be manufactured at the company's factory at Hackney, London, E.9.

# THE WEEK IN PARLIAMENT

## By a Member of the Press Gallery, House of Commons

THE second reading of the Finance Bill on May 19 produced considerable criticism of high taxation allied with extravagant spending. Although MR. GLENVIL HALL, moving the second reading, claimed that the Bill's proposals had been designed to provide, within the limits set by revenue requirements, the maximum incentive to producers, workers and employers, CAPTAIN H. F. C. CROOKSHANK voiced severe Opposition criticism, declaring that the incentives offered were not sufficient. The tax on distributed profits he described as "very foolish," being calculated to undo a good deal of the usefulness of the idea of encouraging production. MR. OSBERT PEAKE asked how industry, particularly new industry, could develop or extend under the present crushing burden of direct taxation. The rate of direct taxation today on industrial profits was comprised of the standard rate of income tax of 9s., and the 1s. profits tax so long as profits were not distributed. That meant the dice was heavily loaded against the man who started a new business. The Bill received a second reading on the division.

### Peppermint Oil Imports

In the House of Commons on May 19, MR. J. BAKER WHITE asked the Minister of Food the volume and value of peppermint, lavender, sage and spearmint oils imported into the United Kingdom in 1946, and the countries of origin. MR. JOHN STRACHEY replied: It would not be in the public interest to disclose this information. MR. BAKER WHITE asked why it was not in the public interest. MR. STRACHEY: This information has never been given in connection with any of the commodities we import, for reasons I have often given to the House. It is true that these are not very important commodities, but I think it would be wrong to make an exception in their case.

### Olive Oil from Greece

MR. W. M. VANE asked the Minister of Food what proportion of the 5,000 tons of olive oil for which the Greek Government had given authority for export had been obtained for this country. MR. STRACHEY replied: So far as I am aware, none of this oil has yet been offered for sale. Our importers may be trusted to secure as large a share as possible of it for this country. MR. EVELYN WALKDEN asked: In view of the fact that the Greek Government neither buy nor sell, and no one has any confidence in their currency, how does the Minister expect to get hold of any olive oil from Greece? MR. STRACHEY: The first thing is for the Greek Government to decide whether they will permit any of it to be exported. If and when they do we will go about the job of procuring it, which may not be easy.

### Cassava Starch Production

MR. HECTOR HUGHES asked the Secretary of State for the Colonies in what British Colonies was the production of cassava starch being encouraged; to what extent in each; and when was an exportable surplus from each expected? MR. CREECH JONES replied: Cassava is grown widely in East and West Africa, Ceylon, Malaya, Mauritius, certain of the West Indies, and the Dependencies in the Western Pacific. Its roots, from which either starch or edible tapioca can be prepared, are a staple element in tropical diets and its production is being primarily encouraged in the Colonies to supply the deficiencies in imported food supplies due to the world food shortage. This and the claim of more essential food exports on the labour available have generally limited the opportunities for export. The Governor of British Honduras has, however, informed me that he is considering obtaining expert advice on the possibilities of restarting the factory formerly engaged in starch production in that territory.

### Cyclo-propane

On May 20 LIEUT.-COMMANDER G. I. C. HUTCHISON asked the Minister of Supply: Whether he is aware of the acute shortage of cyclo-propane in this country; and whether, in view of the beneficial qualities of this anæsthetic, he will authorise the import of an increased supply from the United States. MR. W. LEONARD (Parliamentary Secretary to the Ministry of Supply) replied: No. I was not aware of an acute shortage of this drug and no application to import it has been refused by the Ministry of Supply.

On May 22 BRIGADIER R. H. RAYNER asked the President of the Board of Trade if he would give a list of the long-term contracts for raw materials which had been

made with other Governments of Colonial administrations, and indicate in each case what provision there was for the reduction or review of the rates during the term and the dates when each contract expired. Included in the list supplied by SIR STAFFORD CRIPPS was pyrethrum, for which a contract had been made with the British East Africa Government, subject to annual review, for the disposal of the 1947 crop. The contract was by agreement with the Pyrethrum Board, negotiated through the Government. Molasses was also included, showing a contract with the Reconstruction Finance Corporation of the United States Government, for the disposal of the 1947 crop, and subject to review if there was an appreciable increase in the level of prices of United States goods imported into Cuba. The contract covered an allocated share in Cuban production.

**Whooping-cough Vaccine**

MR. PETER FREEMAN asked the Minister of Health: Whether his attention has been called to the experiments on 600 babies in London and Manchester by injecting them with different varieties of vaccine; what are the exact contents of each of these vaccinces and how each is obtained; what evidence is there that any of them have any effect on maintaining the normal health of the baby; who authorised these experiments; and what compensation will be paid to the children or their parents in the event of undesirable consequences? MR. ANEURIN BEVAN replied: This is an investigation conducted under the ægis of the Medical Research Council, in association with my medical advisers, into the value of certain vaccines in preventing whooping-cough. Trials in the United States suggest that these vaccines give protection against the disease and thus help to maintain the normal health of infants. This valuable test is being carried out with the voluntary agreement of the parents and under strictly controlled conditions. There was no reason, concluded Mr. Bevan, to fear that any ill effects would follow the experiments.

# NEW BOOKS

**Foundations of Chemical Theory.**—Charles Simpson, M.Sc., A.R.I.C., 8¼ in. x 5¼ in., pp. 219, 6s. 6d., University Tutorial Press, Ltd., Clifton House, Euston Road, London, N.W.1. The author has presented a simple and readable description of the main principles of theoritical chemistry, developing his story from the time of Boyle and Lavoisier and the existence of the phlogiston theory. He has treated the matter descriptively rather than mathematically, and has succeeded in putting life into the dry bones of elementary physical chemistry, which students often find tedious: his description, for example, of Boyle and other classical workers "stumbling hither and thither, some only just missing the right track" should be found encouraging to students (as well as to others). Besides being a textbook of intermediate standard, the book can usefully form a sort of halting stage where workers may review theoritical chemistry as a whole before proceeding to more advanced work. The author emphasises the work of Lavoisier in establishing the elementary nature of the common metals, oxygen, hydrogen, etc., and of Berzelius in determining atomic weights before Cannizzaro, while a full descriptive treatment stresses the importance of the phase rule. The text is amply illustrated with clear line diagrams of apparatus, and each chapter is followed by a series of examination papers taken from the Oxford Higher, the Oxford and Southampton scholarships, and other examinations.

**Canada's Chemical Industries.**—H. McLeod. 8½ in. by 5¾ in. Pp. 68. Dominion Bureau of Statistics, Ottawa, Canada. The author, who is Chief of the Mining, Metallurgical and Chemical Statistics Department, gives a comprehensive review of his subject. The booklet is divided into five sections: (a) Chemical manufacturing; (b) Allied chemical industries; (c) Chemical process industries; (d) Statistical tables; (e) Producers. The author has purposely made only small reference to technical details of plant operations of the methods of manufacture. The rapid progress in all sections of the industries is shown in Table 26 which gives import and export totals for the period 1920-45. Output of medicinal and pharmaceutical products in 1945 was valued at $58.5 millions, and sales were greater in that year than in any previous year. An average of 8,075 persons were employed in the 199 establishments producing pharmaceutical goods, and salaries and wages totalled $12.2 millions. Not the least useful feature of the review is a chronological record of developments in the industries from 1919, when soda ash was produced by Canadian plant for the first time, until the present day.

# INSURANCE ACT DISPENSING

**Blackburn.**—At a recent meeting of the Insurance Committee it was stated that 330,481 prescriptions were dispensed during 1946. The cost of ingredients was £11,277 and dispensing fees amounted to £8,529, representing an average cost per prescription of 14.38d.

**Staffordshire.** — Payments to doctors under contract with the Insurance Committee for drugs supplied during 1946 totalled £6,191, against £5,380 in 1945. Payments to chemists were £77,101, against £69,458; 257 chemists, representing 417 shops, were under contract to the Committee.

**Hereford.**—At a meeting of the Insurance Committee recently, Mr. F. Lewis Smith, M.P.S., in the chair, the following figures were given for prescriptions issued in the area during the fourth quarter of 1946:— total prescriptions, 29,549, against 26,938 for the corresponding period of 1945; cost of ingredients, £1,251, against £945; dispensing fees, £809, against £695. The average total cost per insured person for Herefordshire was 15.2d.

**Lancashire.**—The report of the Insurance Committee (prescription pricing department) for 1946 states that 4,389,294 prescriptions were dispensed at a total cost of £265,924, compared with 4,206,689 at a cost of £237,106 in 1945. Dispensing fees amounted to £112,841, an average of 6.17d. per prescription, and the average total cost per prescription was 14.54d. There are 1,270 chemists and fifty drug stores under contract to the committee.

**Scotland.**—According to a statement issued recently by the Drug Accounts Committee (Scotland), the number of prescription forms priced on behalf of the fifty-four Insurance Committees in Scotland was 3,588,133, value £407,975, compared with 3,330,323 forms, value £325,082, in 1945. The number of forms priced for the Ministry of Health of Northern Ireland was 942,389, value £111,472, compared with 848,155 forms in 1945.

# CHEMICAL CONTROL OF TAP WATER

A REPORT on six-and-a-half years' work by the Water Pollution Research Board (Department of Scientific and Industrial Research) on a subject of particular concern to pharmacists and the chemical industry—the treatment of water for domestic and industrial use—has recently been published by H.M. Stationery Office (price 1s. 3d.).

For water softening by a base-exchange process, synthetic resins were found to be superior to fuller's earth, glauconitic sands, treated coals, and other substances examined by the Board, and were the only materials which would withstand constant use and regeneration at temperatures about 70°C. Plumbosolvent water, which was usually acidic and of moorland origin, could be treated satisfactorily by passing over graded limestone at the rate of 5 gall. per cu. ft. of limestone hourly.

Investigation of the bacteriology of fresh water lakes showed that, in the winter and spring, bacteria tended to be equally distributed at all depths, but during the summer, above the thermocline (line of sharp temperature change) the distribution was higher and variable. Of about 800 cultures isolated, 95 per cent. were Gram-negative rods, usually biochemically inactive. Coccus forms made up less than 1 per cent. of the total flora isolated.

Under experimental conditions chlorine, in an initial concentration of three parts per million, did not cause any increase in the corrosive action of the water on lead and copper. Sodium hexametaphosphate (2 p.p.m.) alleviated the difficulties arising from a high iron content of water, and this method, the report states, might have wider applications for purely industrial use.

For the emergency production of drinking water from sea-water, a base-exchange method using silver zeolite, silver oxide and barium chloride, compressed into a briquette (with the addition of bentonite to ensure disintegration on wetting), is mentioned. For the same purpose a satisfactory still operated by a wick burner was also designed.

A list of relevant publications arising out of the work of the Water Pollution Research Board is given as an appendix to the report.

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**Bee-in-Bonnet Quotient.**—The Bee-in-bonnet Quotient (B.I.B.Q:) assesses the prejudice co-efficient of a man. A doctor with a high B.I.B.Q. will hold one belief to the exclusion of all others, and will find some diagnosis in his particular speciality to fit every complaint . . . Research workers should have low B.I.B.Q.s or they will discover only what they believe.—A peripatetic correspondent in the "Lancet."

# THE NATION'S HEALTH REVIEWED

## Abstract of the recently published Report for 1945 of the Chief Medical Officer, Ministry of Health

THE Report for 1945 (which for the first time is combined with the annual Report of the Minister of Health) shows that the standard of health during that year ("one of difficult transition from war to peace") was maintained "at the same high level as during the previous six years of war." New low records were made including childrens' mortality due to disease, maternal mortality and scarlet fever deaths, while the measles death rate, in an epidemic year, is described as "unusually low," 0.16 per cent. Notifications and deaths from diphtheria (18,596 and 722 respectively) show new low records for this disease, while deaths due to influenza totalled 2,686, the lowest for thirty years. By the end of 1945 half a million doses of influenza virus A vaccine had been sent to Britain by Australia, Canada and South Africa, though there was little opportunity of testing its prophylactic efficacy.

After a war-time rise the downward trend of tuberculosis mortality has been resumed, but it is possible that an alteration in the incidence of tuberculosis, in relation to age and sex, has been taking place. Up to the end of 1945 approximately 797,000 persons had been examined by mass radiography in England and Wales, and between three and four thousand of these were found to have previously unsuspected pulmonary tuberculosis. Epidemic hepatitis, a disease prominent during the war, waned during 1945, although Wiel's disease (leptospiral jaundice), a hazard of working in rat-infested environments, increased and claimed twenty-nine deaths.

A preparation being tried by the Ministry for the treatment of head lice contains DDT 2 per cent., pyrethrin 0.1 per cent., wetting agent 0.12 per cent., suspension agent 0.3 per cent. and China clay 3.6 per cent., in water. The addition of pyrethrin was considered necessary in order to secure a sufficiently rapid "knock-down" effect. Further work on the use of sulphonamides and other drugs in the treatment of rheumatic diseases, and the prevention of relapses in children recovering from rheumatic fever is being carried out at various centres.

On the debit side of the report are increases in the incidence of dysentery, venereal diseases, deaths from cancer (a disease in which "emergency conditions in hospitals and shortage of specialist staff continues to impede . . . long treatment schemes"), and a slight increase in infant mortality.

It is too early to assess the value of penicillin given in an oil and beeswax base in the treatment of venereal diseases. The reduction in the incidence of jaundice complications in venereal penicillin-treatment, which followed the adoption of rigorous precautions for sterilising syringes and needles (and the adoption of penicillin injection with an oil and wax base), is shown in table form.

### Health Insurance Statistics

Though the average number of persons on Health Insurance prescribing lists in 1945 was 14,443,326 as against 14,414,403 in 1944, the number of prescriptions issued during 1945 fell to 63,217,381, compared with 64,016,914 in 1944. The average number of prescriptions issued per person fell from 4.441 in 1944 to 4.376 in 1945, but the total cost of supplies of medicines and appliances rose in England by 9.5 per cent. (due to increased cost of ingredients and increased dispensing fees) to £3,535,204. The total cost of medical benefits in England and Wales exclusive of administration costs was £13,576,140, of which £9,558,100 represented practitioners' remuneration and £4,018,040 the cost of medicines and appliances. The total number of people entitled to the benefits in England and Wales was 17,620,000.

Among other matters mentioned in the report are the continued exchange of information with the International Health Office, Paris, and the Ministry's work with U.N.R.R.A., particularly in epidemic control, work on yellow fever, and on the international classification of diseases. The consumption of vitamin supplements available to expectant mothers and young children "is once more very disappointing" the Chief Medical Officer states, representing only 25 per cent. of the cod-liver oil and 42 per cent. of the orange juice available. A historical note on the prevention of smallpox in Britain and the foundation of the Lymph Establishment is also given. The present hospital laboratory service and blood transfusion service, when re-organised and enlarged, are to be incorporated in the proposed National Health Service.

Copies of the Report (Cmd. 7119) are obtainable from H.M. Stationery Office, Kingsway, London, W.C.2, price 3s. 6d.

# ANNUAL REPORT OF THE COUNCIL

THE following were among items included in the annual report of the Council of the Pharmaceutical Society of Great Britain.

### Registration

Persons registered during the year as apprentices or students totalled 572, an increase of twenty-one. Names on the Registers at the end of the year numbered 25,302, a decrease of seventy-two; of these, 1,776 were registered as pharmaceutical chemists, an increase of fifty-three. Four persons were registered under reciprocity agreements. Persons acting as superintendents of limited liability companies, firms or partnerships under the Pharmacy and Poisons Act, 1933, totalled 2,395, an increase of 150. Premises registered under Section 12 of the Act numbered 14,061 (an increase of 412), and under that Section and Section I of the Pharmacy and Medicines Act, 1941, 4,028 (an increase of 293). 794 pharmacists serving in H.M. Forces applied for exemption from payment of retention fees (a decrease of 3,674).

### Examinations and the College

Entries, including re-entries, for the whole or part of the Chemist and Druggist Qualifying examination numbered 558, of whom 264 passed. There were 117 entries for the Pharmaceutical Chemist Qualifying examination; seventy-two candidates passed. Six candidates sat for the Diploma in Biochemical Analysis; all passed. Seventy-eight students enrolled with the Society's College for the pre-graduate studies, forty for the B.Pharm. degree, eighteen for the Ph.C. diploma and twenty for the Chemist and Druggist qualification. In addition there were eighteen full-time research students studying as post-graduate students for the Ph.D. degree of the University. It has again been necessary to refuse a number of applications for post-graduate research and refresher work because of lack of accommodation. The expenses of the College have increased, but the grant made by the University of London has been further increased from £4,000 in 1945-46 to £12,000 for the current session. The new three-year final course for the B.Pharm. degree was introduced during the year. This development brings pharmacy into line with a new policy of the University to assimilate all degree courses to the "honours" type. Eight papers were published during the year. A new departure has been the establishment of a research laboratory to study the use of radioactive tracer elements in solving physiological and chemotherapeutic problems. The equipment of the laboratory is mainly due to the generosity of the Royal Society, Medical Research Council, Therapeutic Research Corporation and University Research Fund; the first positive results are shortly to be published in "Nature." Micro quantities of carbon dioxide have been converted in good yields to acetylene, which may form the starting point of the synthesis of physiologically active substances containing radioactive carbon.

### Organisation

Two new branches were formed during the year at Slough and at Hendon and Edgware, making the total 131. Several branch boundary adjustments were made. Headquarters' speakers supplied at the request of branches numbered ninety-five, an increase of twenty-three. The basis of payment of annual grants to branches was reviewed, and it was decided to revert to pre-war practice by giving an additional sixpence per member, making 2s. 6d. in all, and to discontinue the supplementary casual grants made during and since the war. Candidates for the Council election were invited to agree voluntarily to the conditions of a proposed by-law limiting propaganda; they agreed, and the election was conducted accordingly.

### Central Pharmaceutical War Committee

During the early part of the year the C.P.W.C. was concerned mainly with class B releases. On three occasions applications were made to the Ministry of Labour for further quotas of such releases, the demand for which greatly exceeded the number available, and 120 additional releases in this class were granted. The number of pharmacists on deferment dwindled to negligible proportions. Revocation of the Control of Engagement Order led to the employment agency being discontinued, and it was decided that the Committee and district committees should be wound up. The final meeting of the Committee was held in October.

### Libraries and Museum

Books circulated by the Library in London totalled 11,195, against 10,431 in 1945. The visitors' book recorded 3,076 names, against 1,699. The portions of the London library evacuated during the war and the

Museum collections, which had been with the British Museum (Natural History) were returned during the year, and the work of reinstating them has been largely completed.

**Benevolent Fund**

The regulations governing the administration of the Benevolent Fund were revised, in particular those affecting election of annuitants. Under the revised regulations candidates will be elected at the December Council meeting each year, instead of at a special general meeting of the Society. The provisions of the National Insurance Act 1946 which came into force on October 1, 1946, made it possible to increase annuities paid to fifty-five old age pensioners from lesser amounts to £50.

**Legal**

During the year the Society's inspectors visited 12,201 pharmacies; 5,151 drug stores and other shops were visited. The premises of 1,422 listed sellers of Part II poisons were inspected on behalf of local authorities (all figures in excess of those of 1945). 178 reported breaches of the Pharmacy Acts were considered. Proceedings were instituted in sixty cases of alleged infringements of the Pharmacy Acts. Three cases were dismissed, eight cases were dismissed under the Probation of Offenders Act 1907; penalties were imposed in the others. Warnings were issued in 155 cases.

## North British Branch

The Executive of the North British Branch held four meetings during the year. The final meeting of the Scottish Central Pharmaceutical War Committee took place on October 23, 1946, when it was reported that approximately 3,650 cases had been dealt with in Scotland. Close collaboration with England and Wales on questions arising from the National Health Service, especially on principles, is being maintained through the Joint Committee on a National Pharmaceutical Service, and the Pharmaceutical Standing Committee (Scotland) has also been enlarged to include all interests. The enlarged committee and its various subcommittees have had many meetings. On their instruction, a questionnaire was sent out last summer to every Panel chemist in Scotland, but there was a disappointingly small response and a further questionnaire has been circulated. The Executive went carefully into the interim report of the Council's Education Committee on pharmaceutical education and examinations and submitted resolutions. The financial statement showed a total expenditure of £5,241, against £5,017 in 1945. Examination expenses amounted to £1,980, against £2,139. During the year forty candidates were examined in the Pharmaceutical Chemist Qualifying examination, of whom twenty-two passed (against sixteen in the previous year). In the Chemist and Druggist Qualifying examination 232 candidates were examined, of whom 123 (53 per cent.) passed, forty-seven failed, and sixty-two were referred. One examination was held in Edinburgh for the Diploma in Biochemical Analysis; ten candidates were examined, eight of whom passed.

# AMINO ACIDS LECTURE

At a meeting of the National Association of Women Pharmacists in London, recently, Mr. H. E. Magee, D.Sc., M.B., gave an address on "Amino Acids in Health and Disease." Besides the ten "essential" amino acids, he said, it was thought that streptogenen, a polypeptide, was necesary for growth: the compound had been mentioned in research connecting immunity with bodily state, and its relation to amino acids. In recent work on cases of prolonged starvation it was found that the longer the period of fasting the less capable the intestinal mucosa became of absorbing nutrient materials, in fact rapid death sometimes ensued. This led to the trial of protein administered intravenously as casein hydrolysate, prepared by the action of trypsin on casein. At first untoward symptoms occurred, probably due to some polypeptides present in the preparation used. A 5 per cent. solution of amino acid is the greatest practical strength that can be used, for if a higher concentration is injected the kidney threshold is exceeded and the amino acid is poured out in the urine. Glucose 5 per cent. is generally added to supply further calories and now experiments are being made as to the possibility of using fat to provide more calories for energy so that less protein would be required. Amino acids administered intravenously have also been used in cases of homologous serum jaundice. In this condition the liver is damaged by some toxin in the blood which results in the body being unable to make use of ingested material, probably owing to the lack of an essential amino acid—hence the choice of methionine by injection in an attempt to remedy this deficiency. A preparation known as Amigen has been used in the U.S.A. to supply nitrogenous nutrient in any condition making it impossible for the body to ingest, digest, or absorb food.

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HOLLOWAY, N. Manager required for busy main road pharmacy, energetic, experienced, used to N.H.I. Living accommodation available. Good salary. Write 175/893, C. & D. Office.

HOUNSLOW. Pharmacist branch manager required for modern high-class pharmacy. No holiday or Sunday duties. Excellent scope for initiative and ability in a growing company. Full particulars and salary required to Cunninghams, 187 Worple Road, Raynes Park, S.W.20.

KENT. Dispenser required immediately for busy high-class pharmacy. Permanency for right person. State experience and salary required, F. G Curtis & Son, 94 Sandgate Road, Folkestone, Kent.

LADY assistant, unqualified, for counter, display and some dispensing. No Sunday or half-day duties. Write, giving full particulars and stating salary required, to Secretary, D. L. Lewis, Ltd., 36 Haven Green, Ealing, W.5.

LONDON, W.1. Qualified assistant required lady or gentleman with dispensing and counter experience. Congenial post and good working conditions. Please apply, stating full particulars with regard to experience and salary required, to Marsons, Ltd., 123 Baker Street, W.1.

LONDON Co-operative Chemists, Ltd., have vacancies for pharmacist branch managers in the following areas: Ealing, Ilford, Barking, Wembley and North London. New wage agreements now in operation. The positions offer scope, security of tenure and participation in the superannuation scheme. Application in first instance to Superintendent Chemist, 54 Maryland Street, Stratford, E.15.

LONDON, E.17. Pharmacist required to control main shop, counter and large N.H.I. dispensing, good staff. Salary £10 per week, permanency. 177/981, C. & D. Office.

MANCHESTER & Salford Co-operative Society, Ltd., invite applications for a pharmacy branch manager, permanent position, superannuation scheme and new wage agreement in operation. Applications giving full details of experience should be addressed to Superintendent Chemist, M. & S. Co-operative Society, Ltd., Downing Street, Manchester.

MID-Sussex. Qualified manager required mid-June as locum with view to permanency and investment if interested. Old established family and dispensing. Applications with full details to 174/856, C. & D. Office.

NOTTINGHAM Co-operative Chemists, Ltd., require the services of a chemist-optician for an old-established business four miles from the sea. The position is permanent and pensionable; the salary offered is attractive, and excellent opportunities exist for advancement. Good living accommodation is available. Applications, stating age and experience, to be sent by June 8th, 1947, to the Managing Secretary, Upper Parliament Street, Nottingham, envelopes to be endorsed "Chemist."

NOTTINGHAM. Qualified manager required for family business in good-class residential area. Good prospects to energetic man, able to build up somewhat neglected business. Living accommodation available. Permanency. Write 175/895, C. & D. Office.

PHARMACIST, male or female, required for retail shop. Working-class district, Stockport. State age and salary required. No living accommodation available. 177/960, C. & D. Office.

POPLAR. Manager, qualified, required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Write 175/896, C. & D. Office.

QUALIFIED. Permanent. Dispensing and counter. Good working conditions and prospects; also unqualified for counter. John W. Howorth, Ltd., 160 Central Drive, Blackpool.

QUALIFIED manager wanted for Ealing suburban pharmacy. Moderate hours. State age, experience, salary required. BM/VIC, W.C.1.

SECOND dispenser, book-keeper required. Hall certificate. Firm of doctors, Midlands. State age, experience and salary required. 171/778, C. & D. Office.

SOUTH KENSINGTON. Qualified assistant urgently required in high-class pharmacy. Very congenial post, good wages, excellent prospects. Write or 'phone for appointment to Harvey & Co. (Chemists), Ltd., 37 Old Brompton Road, South Kensington, S.W.7. Telephone Ken 8788.

SOUTHPORT. Qualified and unqualified assistant, either sex, required mainly for dispensing duties in busy up-to-date pharmacy with other staff. The post offers scope for enlarging one's experience and is permanent; with good working conditions. Please apply in writing, stating experience, salary required and other usual details to J. R. Cave (1922), Ltd., 52 Nevill Street, Southport.

THE Royal Arsenal Co-operative Chemists, Ltd., required pharmacists for their branches in South-east and South-west London. Permanent positions with opportunity for progress. Superannuation and special bonus schemes in operation. Apply in writing stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

THE Royal Arsenal Co-operative Chemists, Ltd., require unqualified assistants. Permanent positions. Superannuation scheme in operation. Apply in writing, stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS invite applications from pharmacists, male or female, fo managerial positions in London and throughout th South of England; also for relief duties for th holiday period with consideration for managemen and permanency at the end of the season. Loca interviews arranged at short notice. Good salaries excellent prospects; superanuation scheme. Apply with full particulars, to Retail Staff Dept. (Drugs), Timothy Whites & Taylors, Ltd., 70 Vauxhal Bridge Road, London, S.W.1.

UNQUALIFIED assistant required (duties mainl counter and display) for suburban pharmacy five minutes' Thornton Heath Station. Apply wit full particulars to S. A. Waters, Wilkes, Chemist 105 Parchmore Road, Thornton Heath Surrey Livingstone 4978.

VICTORIA, S.W.1. Branch manager require for mixed-class pharmacy, within 10 minute of Victoria Station. Permanent oppointment. Goo salary. Saturday half-day. Write, 175/892, C. & D Office.

WALLASEY. Qualified pharmacist, lady o gentleman, for counter and dispensing. Per manency. Full particulars to 176/933, C. & D Office.

WANTED. Qualified assistant, lady of gentle man for central pharmacy. Good prospec and permanency for suitable applicant. Superan nuation scheme in operation. Scale rate of wage paid. Full particulars, giving age and experience, t The Secretary, Heckmondwike & District Co-opera tive Society, Ltd., 3 Oak Street, Heckmondwike.

WANTED. Capable unqualified assistant. Th is an excellent opportunity to gain experienc Please send all particulars, with photo and refe ences, and salary required, Lansdale & Co., Quee Square, High Wycombe.

WANTED, unqualified assistant for West En Quick counter trade. 177/979, C. & D. Offic

WANTED. Qualified pharmacist to take charg of branch. Good prospects, good wages an conditions. Superannuation scheme in operatio Apply to Sheerness Co-operative Society, Ltd., 1 High Street, Sheerness, Kent.

YOUNG lady dispenser-receptionist wanted b firm of South London medical practitioners f duties at second surgery. Apply in first instance wi particulars to 42 Streatham Hill, S.W.2.

YOUNG lady for chemist's toilet counter. Sou Kensington area. Apply "A", 176/925, & D. Office.

## RETAIL (OVERSEAS)

QUALIFIED assistant. Progressive firm Penang requires immediately alert, single, you pharmacist. Knowledge of optics an advantag Post offers excellent opportunities for advancemer Salary for first term of service (4 years) $500. per month (£700 per annum). Passage paid o and home. Apply Export Manager, Ayrto Saunders & Co., Ltd., Hanover Street, Liverpool.

## LOCUMS WANTED

LOCUM required, qualified, July 21 to August inclusive (fortnight), suit retired pharmaci full staff to assist, duties light. Nicoll, The Bric north Pharmacy, Shropshire.

LOCUM required urgently, week June 9 to 14 in Suit retired pharmacist. Full and experienc staff to assist, duties light. Nicoll, The Bridgno Pharmacy, Shropshire.

LOCUM assistant dispenser (Hall qualification Part 1) required for two weeks commencing Ju 21. Salary according to experience. Apply Secretary & House Governor, Royal East Suss Hospital, Hastings.

OCUM pharmacist (qualified), required for three weeks commencing August 25. Fee 8 guineas per eek. Apply to Secretary & House Governor, Royal st Sussex Hospital, Hastings.

QUALIFIED locum required for departmental store, June 30th to July 12th. Jarrold & Sons, d., London Street, Norwich.

QUALIFIED pharmacist required as locum, July 28 to Sept. 6 inclusive, also other periods Apply letter giving full particulars, salary required, etc. . Bates & Co., Ltd., 25 Oxford Street, Southamp- n.

ROCHDALE. Qualified locum required for four weeks in summer. Terms and references to ercer's, Ltd., 265 Oldham Road, Rochdale, Lancs.

## WHOLESALE

A LEADING company marketing nationally advertised toilet and medicinal products invite plications from men under 40 for appointment representative in the four northern counties of ngland—Cumberland, Northumberland, Westmor- nd, Durham. Pharmaceutical qualifications and perience of medical propaganda an advantage, but t essential. Young men without experience would considered provided they possess initiative and rsonality. Give full details and chronological re- rd of career. 174/864, C. & D. Office.

A LEADING company marketing nationally advertised toilet and medicinal products invite applitions from men under 40 for appointment as reesentatives, one in South-east Scotland (including linburgh) and another in South-west Scotland (exuding Glasgow). Pharmaceutical qualifications and perience of medical propaganda an advantage, but t essential. Young men without experience would considered provided they possess initiative and rsonality. Give full details and chronological cord of career. 174/865, C. & D. Office.

A PROGRESSIVE London company manufacturing ethical pharmaceutical and biological prepations requires the services of a pharmacist to conct pharmaceutical research and institute analytal control. An essential qualification is practical perience in the preparation and stabilisation of rile solutions for injection. Reply giving fullest tails including salary required to 176/936, C. & Office.

A NALYST required for pharmaceutical control laboratory. The position offers good prospects d applications are invited from men, preferably ed not more than 35, who should write in the st instance to The Personnel Manager, Eli Lilly Co., Ltd., Basingstoke, giving full details of exrience and qualifications, on which commencing lary will be based. The appointment is pensionle on a non-contributory basis.

A SSISTANT pharmacist (male) required for manufacturing department with some laboary work. Recently qualified preferred. Apply in iting to Beechams Pills, Ltd., St. Helens, Lancs.

A SSISTANT required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. arker, Stagg & Morgan, Ltd., Emmott Street, ondon, E.1. Apply stating experience and wages quired.

CHEMIST, not necessarily qualified, required as representative for Ulster by firm manufacturing secticides, vermicides and animal medicines. avelling experience essential. Apply with copies testimonials, stating age and salary required. Exnses paid for interview. 176/939, C. & D. Office.

COPYWRITER required (male) aged 25-30. Pharmacist or chemist. Previous copywriting perience desirable but not essential provided candate has natural flair for publicity. Apply initially writing to: Personnel Officer, May & Baker, d., Dagenham, Essex.

CHEMICAL merchants, old established, East- cheap, require young clerk preferably with working knowledge buying, selling and office routine. Good prospects. Write stating age, experience, salary to Box K.B.P., 174/869, C. & D. Office.

COSMETIC chemist, well known firm, London area, require chemist experienced in wide range toilet articles, to take charge new product research. Good salary, permanent post and really first class prospects for energtic man. State posts held and present salary in confidence. Mark envelopes "Managing Director," 172/806, C. & D. Office.

EXPERIENCED and reliable representatives to call on wholesalers in London area to sell our toilet products. Full details to 177/969, C. & D. Office.

EXPERIENCED representative required by wholesale chemists operating from Bournemouth in Hampshire, Wiltshire, Dorset and Somerset. Sound knowledge of drug trade preferred but not essential. Existing connection will be taken over. Salary, expenses and commission. 176/951, C. & D. Office.

EXPERIENCED export manager required for buying and selling of heavy and fine chemicals. Good wages plus commission to suitable applicant possessing knowledge and good connections in chemical trade. Previous experience essential. References requested. 176/943, C. & D. Office.

EXPERIENCED sales manager required by well known progressive sales organisation handling only first class lines. Must have good connections amongst chemists, stores, Co-ops and general wholesalers and have ability to train and supervise present large staff of representatives covering the British Isles. This is a highly responsible post with unlimited scope. Very high remuneration and expenses offered to right man. Apply in first instance, giving age and full details in strictest confidence to 176/928, C. & D. Office.

EXPERIENCED representative required having connections with chemists, stores and general wholesalers in Warwickshire, Worcestershire and Staffordshire. Excellent salary and liberal commission and expenses paid to right man. Permanent post with excellent prospects. Well known nationally advertised lines. Only those with first class connections should apply stating lines already handled, age, and general experience in confidence. 176/927, C. & D. Office.

FIRM of manufacturing chemists in Northern Ireland requires qualified production chemist with experience in manufacturing insecticides, vermicides and animal medicines. Required to take charge of small but progressive factory. Good prospects for keen man willing to collaborate in building up efficient organisation. Commencing salary £400 per annum. Full particulars to 176/938, C. & D. Office.

GOOD agents and travellers required by manufacturing chemists for several lines saleable to the chemist, drug and grocery trades. Good commission and prospects. 176/953, C. & D. Office.

JUNIOR technical assistant (male) required to assist in technical intelligence service. A degree in chemistry is an essential qualification, newly qualified man suitable. The appointment holds excellent prospects and is permanent. Written applications only to: Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

LEADING London house of essential oil distillers and flavouring essence makers require assistant chemist, preferably with pharmaceutical training in flavouring essence department for experimentative formulation and compounding. Write stating age, experience and salary required to 176/929, C. & D. Office.

LONDON company requires chemist experienced in preparation of extracts from crude drugs. State age, qualification, experience. Applications strictly confidential. Box No. G.A. 221, 4/7 Salisbury Court, Fleet Street, E.C.4.

## CORPORATION OF WILLESDEN

APPOINTMENT OF PHARMACIST

Applications are invited for the following appointment:— Assistant Pharmacist. The salary will be in accordance with the Joint Negotiating Committee at the rate of £370 per annum, rising by four annual increments of £15 and one increment of £20 to a maximum of £450. The work will be carried out at the hospitals and health centres and previous experience will be taken into consideration in determining the commencing salary. The appointment is terminable by one month's notice on either side and is subject to the provisions of the Local Government Act 1937, to the regulations governing officers of the Council, and to a satisfactory medical examination. Off duty is granted one Saturday morning in every three. The candidates appointed will work under the direction of the Chief pharmacist. Forms of application may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned marked "Pharmacist" not later than 28th May, 1947.

R. S. FORSTER,
Acting Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.

## HERIOT WATT COLLEGE, EDINBURGH

PHARMACY DEPARTMENT

Applications are invited from British subjects for appointment as Head of the Pharmacy Department. Candidates should hold an Honours Degree or its equivalent, pharmaceutical qualifications and have previous teaching experience. Salary scale £700—25—£900. The successful candidate may be placed on the scale according to his qualifications and experience. Further particulars may be obtained from the Principal to whom applications must be submitted not later than 30th June, 1947.

J. CAMERON SMAIL,
Principal.

## HILL-END HOSPITAL,

ST. ALBANS

Required immediately, assistant Pharmacists or dispensing assistants. Salary for Pharmacists £370 to £450 per annum and for assistants in dispensing £270 to £350 per annum, inclusive of cost-of-living bonus. Apply, stating age, qualifications and particulars of experience to Medical Director.

## KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Hospital, Sevenoaks Road, Orpington. Assitant Pharmacist (M.P.S. or Ph.C.) either sex. Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary. Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
May 22, 1947.

## KENT COUNTY COUNCIL

PUBLIC HEALTH DEPARTMENT

LOCUM PHARMACIST (M.P.S. or Ph.C.) (either sex). Hospital experience essential. Required for the months of June and July next to undertake duties at the County Pharmacy, Maidstone. Salary £9 9s. a week and all necessary expenses would be reimbursed. Applications, stating age, qualifications and experience, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
12th May, 1947.

## KING'S COLLEGE HOSPITAL

DENMARK HILL, S.E.5

ASSISTANT PHARMACIST required. Salary in accordance with the J.N.C. revised scale. Federated superannuation scheme in force. Also required LOCUM TENENS ASSISTANT PHARMACIST for 14 weeks from June 23, 1947. Salary 8 guineas per week.—Applications, with details of experience, should be sent to The Pharmacist at the above address.

## LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at St. Lawrence's Hospital, Caterham, Surrey. Candidates must be Registered Pharmacists. Salary five shillings an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I) Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1573.)

## ROYAL SOUTH HANTS AND SOUTHAMPTON HOSPITAL, SOUTHAMPTON

ASSISTANT WOMAN PHARMACIST required. Salary in accordance with the J.N.C. Scale. Applications, stating age, qualifications, with copies of recent testimonials, should be sent to the undersigned forthwith.

FRANK JENNINGS,
House Governor and Secretary.

20th May, 1947.

## SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:—
EPSOM COUNTY HOSPITAL, Dorking Road, Epsom.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing, stating age, qualifications and experience, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

## AGENCIES

***12/6 for 36 words or less, 3d. for every additional word***

AGENTS with chemists' connection required to carry as an additional line small cosmetic bottles. Write full particulars first application as to territory, etc., to 177/970, C. & D. Office.

AGENTS required by manufacturers of animal medicines, insecticides, vermicides, etc., calling upon chemists and chain stores in (1) Cheshire, Shropshire, Herefordshire and Worcestershire, (2) Scotland. Must possess own car. Commission and part expenses basis. Replies in confidence, stating age, territory covered and other agencies carried, to 174/859, C. & D. Office.

CEYLON. Importers of all kinds of articles invites correspondence from overseas firms giving full particulars and samples with terms and conditions of sole agency. Sri Ramakrishna Stores, Importers and Bullion Dealers, 95 Main Street, Maskeliya, Ceylon.

ESTABLISHED agents, with high-class connections with chemists and stores, required in all districts for the sale of high-quality medicated lozenge and tablets, Wilson's Hair Colour Restorer and Nu-Feet Salts. Applications, giving full details of ground covered and houses represented, to be addressed to "Agency," P.O. Box 31, Nottingham.

INDIA. Well established importers-exporters and stockists desire sole representation of British houses manufacturing fine chemicals, pharmaceutical products, proprietaries, cosmetics, etc. Good coverage and excellent references. Correspondence invited. Universal Agencies, Importers-Exporters, 11 Malayaperumal Street, Madras 1.

MANUFACTURERS of well known brands of liquorice and menthol pellets, digestive mints, bronchial lozenges, thymol mouth lozenges (sweet), all popular priced packs in attractive display, and points free, require well connected company to act as sole buying agents to chemists and stores, on very attractive terms. Write in confidence to 177/980, C. & D. Office.

MERCHANT and agent is desirous of representing British manufacturers of medical and chemical preparations. Write, P. S. Partelides, Demeter Street, No. 8. Nicosia, Cyprus.

REPRESENTATIVES calling upon chemists and clinics in South-west England, Wales, East Anglia and Home Counties (excluding Greater London) are invited to carry a nationally advertised product as an additional line on a commission only basis. Write 177/959, C. & D. Office.

RUBBER hot water bottles. Agent arranging national coverage for reputable manufacturer in near future wishes to contact wholesalers and agents willing to co-operate. Also wishes contact supplier of stick liquorice and saccharin in bulk. 175/923, C. & D. Office.

SMALL wholesalers invited to carry well known nationally advertised quality product sold by chemists, etc. Big discounts and turnover. Write stating territory covered to 176/932, C. & D. Office.

## BUSINESS OPPORTUNITIES

*12/6 for 36 words or less, 3d. for every additional word*

EXPORT. London firm of exporters with world-wide connections solicits enquiries from manufacturers. Communications to Silvan Trading Co., Ltd., 7 & 8 Forest Lane, London, E.15.

MANUFACTURERS have surplus capacity for liquid and powder filling. Plant situated in Home Counties. Bottles of certain sizes and other packing materials can also be supplied in quantities. Only long runs of interest. Apply Box No. 745, Sells, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

NEW career. If you are a person of enterprise, personality and ability, with capital, and desire to have an independent future. The Scholl Mfg. Co., Ltd. (Dr. Scholl's Foot Comfort Service) will train you and give you every assistance in owning a dignified and remunerative business, where your investment will be secure. Applications invited from men and women. Write with particulars of age, experience, etc., The Secretary, New Career Scheme, Dept. C.D., London, E.C.1.

MANUFACTURING chemists have facilities to undertake powder grinding, mixing, tableting and to manufacture and pack pharmaceutical preparations to customers' requirements. 176/948, C. & D. Office.

TOILETRY, perfumery specialities. (Limited Company closed down past six years) now reopening in ideal country house near Bournemouth. Valuable registered trade mark specialities. Plant, stocks, quota. Sole proprietor desires meet energetic co-director works chemist with export experience. Moderate investment, fully secured, or would amalgamate. Write 174/881, C. & D. Office.

## BUSINESSES WANTED

*7/6 for 40 words or less, 2d. for every additional word*

COTSWOLDS. Broadway or Bourton-on-the Water preferred. Experienced chemist would like to purchase well-established business. Please reply to 15 Park Crescent Mews East, Great Portland Street, London, W.1.

## BUSINESSES FOR DISPOSAL

*7/6 for 40 words or less 2d. for every additional word*

BEST positioned, corner chemist and photographic shop in Blackpool. Old established, 18 years. Owner retiring. Extremely high profits are usual and with supervision unpredicted profits are possible. Price includes low stocks, fixtures and goodwill. Opportunity to acquire unique business. Apply corner promenade Chemist, opposite North Pier, Blackpool. Principals only 'phone 3456.

COSMETIC manufacturer and wholesalers of chemists' sundries and toys. Old established, valuable lease, goodwill, fixtures and fittings, £9,000. S.a.v. Apply S. Alan Smith, Auctioneer and Valuer, 59/61, Hampstead Road, N.W.1. Euston 1407/8.

DEVON. Old-established druggist and pharmacy business for disposal in Devon seaside resort. Rented premises, £120 p.a., occupying prominent position. Turnover £5,000 per annum. Price £5,000, plus s.a.v. Apply, certified Accountant, 11 Fryston Avenue, Coulsdon, Surrey.

FOR sale, Argyle Street, Glasgow, drug store, annual turnover £1,500, net profit £500, chiefly own preparations, established 14 years. Great scope for qualified person. Price, including valuable stock, fittings and lease (4 years), £2,000. 177/978, C. & D. Office.

HERBALIST and Hygienic rubber stores, Main street position. No opposition. Opportunity to add chemists and photography. Rent only £100 a year exclusive. Shop, kitchen, study, sitting-room, bathroom, 4 bedrooms, brickbuilt warehouse at rear, side entrance. Electric and gas. Phone, etc. 21 years' lease. Good trade, guaranteed more than a living. Price for goodwill, fixtures, fittings, stock cases, everything, and long lease, vacant possession when required, £2,500 or near offer. No triflers need apply. Stamped addressed envelope for reply, K. E. Horsenail, 6 St. John's Street, Bedford.

MANUFACTURING chemists wish to sell ownership of three proprietary lines (two insecticides and one other), together with copyrights of labels and packs, registered trade marks. Would supply details of customers and introduce new owners to suppliers of raw materials. Excellent overseas connections in various parts of the world. Price £1,000 plus stocks at cost. No offers less than this figure will be considered. 177/974, C. & D. Office.

NORTH of England. Very substantial wholesale and manufacturing chemists' business. For sale owing to retirement of vendor. Audited accounts show average net profit for the last three years of over £20,000 per annum. Tangible assets include freehold approximately £50,000. Prospective purchasers with £100,000 available may have details upon receipt of a satisfactory banker's reference. 177/962, C. & D. Office.

## WANTED

*7/6 for 36 words or less, 2d. for every additional word*

A BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond Street, London, W.1.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.15.

BICHROMATE, pot. or sod. urgently required State price and quantity. (1-cwt. minimum). George Rice, Ltd., Hudson Bay Works, Warton Road, Stratford, E.15. Telephone Maryland 1222.

BOTTLES wanted. 26-oz. cordial or wine type, and ½ and 1-oz. essence bottles. Please quote for small or large quantities, to A. E. Bevan, Ltd., 20A Hall Street, Southport, Lancs.

CHLORATE of soda for weed killer. Required, small or large quantity. Price to Nicoll, The Bridgnorth Pharmacy, Shropshire.

EDIBLE sheet and powdered gelatin required in large quantities. 147/851, C. & D. Office.

GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

MANUFACTURING chemist wishes to purchase leptandrin. Offer to 176/944, C. & D. Office.

SACCHARIN tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

WANTED. Supplies of butyric ether in small or large quantities. 177/965, C. & D. Office.

WANTED. Saccharin tablets. Regular supplies of standard strength in bulk or packed. Cash with order. Any quantity accepted. 176/949, C. & D. Office.

WE wish offers direct from factories for bisulphate of potassium, sodium sulphate, caustic potassium, lactic acid, tannic acid (light colour), and all other kinds of chemicals for glass fabrication, preparation of wool, dyeing textiles and leather, and tanning. Pérez e Hijo, Soriano 1328, Montevideo, Uruguay.

26-OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

## MISCELLANEOUS SALES

*12/6 for 36 words or less, 3d. for every additional word*

CELLOPHANE bags for sale, surplus stock, "Cleartex" size 4½ in. square with flaps, plain, boxed 1,000's, quantity 100,000. What offers? 15 gross 2 oz. pyramid perfume bottles, bakelite caps, 25s. a gross for the lot. 177/973, C. & D. Office.

FOR sale, 1 drum 40/45 gallons amber mineral oil, price £7 10s. 176/954, C. & D. Office.

FOR sale, 28 lbs. chamomile flowers, 7 lbs. fol. henna, pulv., 28 lbs. soda. salicyl B.P., 3 lbs. peppermint oil staff. Allen blend No. 5. Offers to 176/940, C. & D. Office.

FOR SALE. 15 punch rotary tablet compressing machine. Will take up to approx. 2½ in. diam. tablet. Apply 175/912, C. & D. Office.

FOR sale, 11 mm. nickel lipstick cases, 69 gross plain and 3 gross plain with pink enamel tops. Price 6d. each. Reply 177/976, C. & D. Office.

HALF OZ, clean glass squat jars. Black enamel caps. 400 gross for immediate delivery. Also 250 gr. one oz. tablet bottles, metal caps. Offers to 177/964, C. & D. Office.

LIMITED quantity henna powder, finest quality, surplus to requirements, offered in 7 lb. parcels, 31s. 6d., post free, orders accepted C.O.D. 177/975, C. & D. Office.

PULV. rhei. E.I. 1 cwt. of fine powder but smelling of essential oil offered at 4s. per lb., subject to being unsold. Also all grades of finest B.P. powder. Samples on application to Messrs. Kimpton Bros., Ltd., 110 Fenchurch Street, London, E.C.3. Royal 5717/8/9.

STOCKS to clear. ½ ton gammexane dust D.034 40 gross 6-oz. slip on lid, tins, 4½ in. diameter x 1 in., 5-gallon drums mineral oil, ½ ton Egyptian henna in small lots or in quantity. L.L.N., Albermarle House, Anlaby Road, Hull.

TO clear, 20 gross ½ oz. panelled screw-neck bottles without caps. Offers invited. Large quantity 3-4 oz. fancy green bottles with bakelite caps suitable for perfume, lavender water, etc., at 40s. per gross, 30s. per gross in one lot. 174/872, C. & D. Office.

TO clear. Limited stocks of hairbrushes and safety razor blades. Sacrifice 20 per cent. off usual wholesale prices. Stamped addressed envelope for details. Samuel Baron & Co., 127 Borough High Street, London, S.E.1.

100 GROSS ½-oz. Cannon Essence bottles with metal caps. Offers invited. Box 177/958, C. & D. Office.

## TRADE MARKS

TO owners of trade marks. Manufacturing chemists are interested to purchase trade marks which are registered but are not being used. Please send names of marks and other details to 171/766, C. & D. Office.

## SALE BY AUCTION

STOCK and fittings of small pharmacy and chemist shop to be sold by auction without reserve at The Auction Mart, King Street, Maidenhead, Tuesday, June 3 next, at 3.15 p.m. Catalogue from F. A. Venables, 99/101 King Street, Maidenhead.

## PREMISES WANTED

MANUFACTURING chemists (ethical products), having an established business earning substantial profits and disposing of ample funds for extension, find development handicapped by lack of space. The firm could, with advantage, collaborate with another concern of standing operating in kindred field (e.g., drugs, fine chemicals, proprietary medicines, dressings and surgical instruments, hospital equipment, etc.), and would be happy to discuss the possibility of mutually advantageous arrangements with interested firms. Advertisers would consider amalgamation with or purchase of a suitable business. Reply Box O/6051, A.G. Advertising, 212A Shaftesbury Avenue, W.C.2.

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THE
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*Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.*
VOL. CXLVI MAY 31, 1947 NO. 3510

## The Pharmacist and the Nation's Health

PHARMACISTS may view with justifiable pride the Report of the Chief Medical Officer, Ministry of Health, 1945 (see p. 621) for, in giving the nation as a whole a clean bill of health, it reflects favourably on the profession which supplied, in England and Wales, over £4 million worth of medicines and appliances during that period. A note that streptococcal disease has probably become less frequent since the introduction of the sulphonamide drugs should be viewed with particular satisfaction by all those concerned in the manufacture, supply and dispensing of these chemotherapeutic principles.

The advisability of making retail pharmacies distribution centres for orange juice, cod-liver oil and other vitamin preparations, which are available to expectant mothers and young children (a recommendation made in these columns many times before), seems to be brought out forcibly by the section dealing with Maternity and Child Welfare. The "acceptance rate," it states, "is still far from what it might be," and only 25 per cent. of the cod-liver oil and 42 per cent. of the orange juice available are being used by eligible mothers. The addition of some 15,000 chemists' shops to the number of distribution centres would, we feel, materially increase the "acceptance rate," particularly as the hours of service of these shops are carefully planned to suit the public needs. At the appropriate time in the development of the National Health Service details, it is to be hoped that this matter, of benefit to the public and the pharmaceutical profession alike, will not be overlooked.

## Sugar Quota for Manufacturing

THE question is being raised in the drug trade, particularly by manufacturers of medicinal pastilles and proprietary medicines, as to when the Ministry of Food is likely to increase the sugar allocation allowed them for manufacturing purposes. In the House of Commons recently, the Minister of Food (Mr. Strachey) stated that the allotment of sugar to industrial consumers in 1946 totalled 726,700 tons, the chief users being flour confectionery (130,700 tons), preserves (187,700 tons), and chocolate and sugar confectionery (153,400 tons). Among the smaller industrial users were jellies (11,300 tons), ice cream (9,400 tons), and lastly, medicinal preparations and pastilles, and proprietary medicines (8,600 tons).

The allocation of sugar for manufacturing purposes is based on pre-war usage and the percentage allowed to the manufacturers of medicinal pastilles and proprietary medicines today is approximately the same as when the control was first introduced during the war. At that time the essential needs of the nation and the Forces had to be given priority and there was uncertainty as to future supplies with the need to conserve stocks. These circumstances, together with the reduced war-time requirements of the drug trade, resulted in the sugar ration being fixed at a minimum level. For war-time purposes the quantity was possibly sufficient as the production of many products had been discontinued and, of course, exports were negligible, but it falls very short of present-day requirements. Since 1945, the production of medicinal pastilles and proprietary medicines has increased far beyond pre-war output and has extended in scope by the introduction of a number of new products. Exports have also increased sharply. In 1938, the average monthly value of shipments was £112,900; in 1946 the value of exports had reached £354,200 each month, and for the first three months of 1947, the monthly shipments averaged £396,900.

The return to normal in the volume of business in these products and the steadily increasing exports are not the only factors that call for the Ministry's reconsideration of the sugar allocation. In war-time, experiment and the evolving of new products, which calls for prolonged clinical investigation, ceased as a normal industrial activity. Today such work is vital to the progress of the industry and its ability to keep abreast of world developments. This cannot be done without the reasonably free availability of sugar. Proprietary medicines and medicinal pastilles should not, in our opinion, be treated in the matter of sugar supplies on a lower level than B.P. and B.P.C. preparations, since it is by research on the part of manufacturers that the majority of new remedies are produced and additions to the Pharmacopœia made possible.

That a greater tonnage of sugar is allocated for making ice cream, soft drinks and table jellies than for all medicinal and pharmaceutical products, in our opinion, indicates a failure to appreciate the importance of sugar as an essential ingredient in the preparation of many medicinal and pharmaceutical preparations, since sugar is used chiefly for its preservative and therapeutic properties. The only effective substitute, glycerin, is unobtainable on a commercial scale. In terms of tonnage, the additional requirements of manufacturers of medicinal preparations to allow them to give full scope to their activities would be only a very small fraction of the total industrial consumption, but it would have relatively important results.

## Overseas Trade in April

BRITAIN'S overseas trade showed a recovery in April with the aggregate of exports of all classes of merchandise, as given in the Board of Trade Returns (Stationery Office, 4s. 6d.), at £82,673,925, which was £100,000 more than the March total, although April had two working days less than the previous month. Imports in April at £147,075,861 exceeded arrivals in March by £17,000,000 and there was an appreciable rise in the trading deficit with "hard" currency areas. Re-exports for April reached £6,675,117 compared with the March total of £6,432,400.

In the "Chemicals, etc.," group exports rose from the March total of £4,813,383 to £5,027,721. Increases in shipments of heavy chemicals accounted for the greater part of this increase. Exports of perfumed spirits reached £62,381 which was almost double the total for the corresponding period in 1946. The drugs and medicines section showed a small decline on the month with a total of £1,102,734 as against £1,141,197 for March. Proprietary medicines totalled £374,074 and aspirin, £24,921. Shipments of penicillin amounted to 82,819 mega units, valued at £56,498, compared with March exports of 112,771 mega units valued at £78,329. Ointments and liniments were exported to the value of £33,367 in April. Re-exports of chemicals totalled £63,373 of which £10,890 was contributed by prepared drugs and medicines.

Imports of cinchona bark increased in April and totalled £48,265 compared with £1,581 for the previous month. A larger quantity of quinine and quinine salts was also imported, with landings valued at £41,720 against the March total of £12,163. Menthol was imported to the value of £17,357 in April, and essential oils to the value of £305,520. Higher totals are shown for gum acacia, karaya and shellac imports, while linseed oil was received to the value of £1,543,422 and unrefined coconut oil imports amounted to £558,643. Re-exports of raw or simply prepared drugs totalled £41,023, and of essential oils, £17,829.

Shipments of British perfumery and toilet preparations continue on a good scale and exports of these products in April totalled £228,204 of which £96,037 was contributed by cosmetic lines and £26,796 by tooth and dental preparations, etc. The Commonwealth countries were the largest buyers with India and the Union of South Africa at the head. Toilet soap shipments totalled £27,999. Other toilet lines exported included shaving brushes to the value of £11,611, tooth and dental brushes, £13,704, and hair and other toilet brushes, £22,395. Exports of druggists' miscellaneous wares totalled £34,430.

Surgical and medical plasters were exported in greater quantity in April, the

value being £45,838 compared with £39,455 in March. Exports of dressings (with the exception of bandages) were also higher. The total of medical and surgical instruments exports reached £59,656 with scientific glassware, £34,192. Shipments of glass rod and tube were greater but there were somewhat smaller exports of glass bottles and containers.

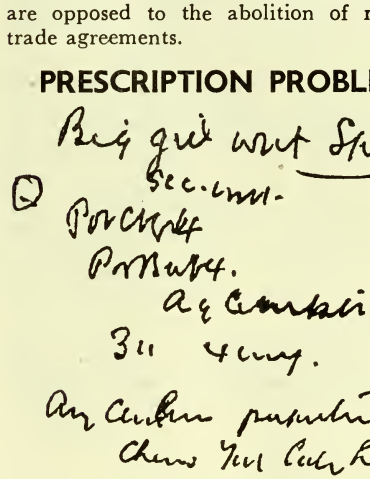
## World Conference on Trade

THE International Trade Organisation Conference now meeting in Geneva has quickly passed through its preliminaries, and the delegates of eighteen countries are applying themselves in earnest to determine how excellent a bargain they can drive with others. President Truman's recent statement that U.S. trading arrangements with other countries should contain an escape clause, by which a tariff reduction could be cancelled if it harmed an American producer, is expected to come under fire at the Conference. On this issue the Americans have not yet decided whether to import more or less than at present, but they are satisfied that an increase in exports is desirable. At present the excess of U.S. exports over imports is between $7,000 and $8,000 millions yearly. Not surprisingly, therefore, several debtor countries have found increasing difficulties with their payments balances as the months go by, and Sweden, for instance, recently suffered a severe rebuke from the U.S. State Department for curtailing imports in order to meet an acute shortage of dollars. The British Chancellor hopes to achieve the same object by his recent drastic increase in the tobacco duty.

Britain's delegate at the Conference (Sir Stafford Cripps) has spoken in defence of the principle of Commonwealth economic interdependence. He said that, even if the United States went the whole way in her concessions—a reduction of her tariffs by 50 per cent.—that offer would still not compensate Commonwealth countries for the sacrifice of preferences. The Empire preferential system was an "expression of economic fact," and Britain could not, without her trade with Commonwealth countries, maintain her trade with the rest of the world.

It would be idle to disguise that sharp divisions have become evident at the Conference on many questions. For example, the United States delegates wish to proceed with formulating a Charter, laying down the broad principles that should govern international trade. Britain, on the other hand, sees no useful purpose in elaborating principles without knowing the tariff concessions that are to be made. The Australian delegates favour a middle course, with an elastic Charter to cover the requirements of all. Both Britain and France are opposed to the abolition of regional trade agreements.

## PRESCRIPTION PROBLEM



(Solution next week)

## A PHARMACIST'S ANTHOLOGY

One day, as he was searching of their wounds,
He found that they had festred priuily,
And rankling inward with unruly stounds,
The inner parts now gan to putrify;
That quite they seem'd past helpe of surgery,
And rather needed to be disciplinde
With holesome reede of sad sobriety,
To rule the stubborne range of passion blinde;
Giue salues to euery sore, but counsell to the minde.
So taking them apart into his cell,
He to that point fit speaches gan to frame,
As he the art of words knew wondrous well.

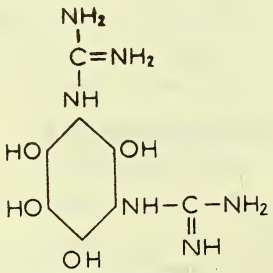
*—From Spenser's "Faerie Queene."*

# SULPHONAMIDES TO STREPTOMYCIN

## Abstract of an address given recently to the Birmingham Branch of the Pharmaceutical Society by Dr. J. B. M. Coppock

THE therapeutic activity of the sulphonamide drugs, it is thought, resides in the sulphonamide anion rather than in the undissociated molecule, and, it has been observed, the bacteriostatic action tends to be greater in alkaline solutions because of greater dissociation. The difference in the acitivity of different sulphonamides seemed less due to a particuar drug being specific for certain organisms, and rather to the less susceptible organism responding only to the more active compounds. From the correlation of acid dissociation constants and bacteriostatic activity it is thought that the maximum antibacterial activity has already been achieved in sulphathiazole and the sulphapyrimidines, but it must not be assumed that the best sulphonamide has already been found. The rate of absorption, solubility in body fluids, rate of excretion and toxicity must also be considered before the utility of a new sulphonamide can be predicted, and even then clinical evidence can only be the final arbiter in this matter.

Marfanil, *p*-sulphonamide benzylamine $NH_2SO_2C_6H_4CH_2NH_2$ is of value when used topically against *Cl. welchii* and *Cl. septicum*, and against streptococcal strains resistant to the ordinary sulphonamides; it is not rendered ineffective in the presence of pus and necrotic tissue; and as it is not antagonised by *p*-amino-benzoic acid it must have a different mode of action from the sulphonamides.




Streptidine
(note the guanidine part)

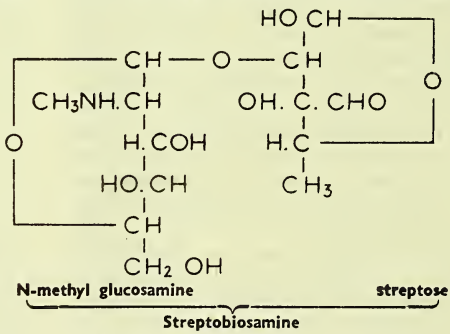
Flavazole is a mixture of 98 per cent. sulphathiazole and 2 per cent. of a compound containing equimolecular proportions of proflavine (2.8 diaminoacridine) base and sulphathiazole. It may be used systemically as a powder in the treatment of wounds, and it is almost equal to penicillin in its action against *Cl. welchii* infections. It is active against certain gram negative organisms, *Ps. pyocyaneus and Bacillus proteus* against which penicillin is ineffective.

### Effectiveness of the Penicillins

The picture concerning the relative clinical efficiencies of the several penicillins is still very confused, but it will probably be found that one particular penicillin is best in protecting against one class of organism. The Americans believe that penicillin II(G) is best against the spirochete, while against the gonococcus penicillin III(X) is superior, and, recently, the U.S.A. Food and Drug Administration have stated that the presence of penicillin IV(K) in preparations for topical application may be an advantage owing to its greater rate of absorption. A "clinical mixture" might ultimately be considered, covering as wide a range of organisms as possible.

### Streptomycin

For surface culture of streptomycin, the medium may contain 1 per cent. glucose, 0.5 per cent. peptone, 0.3 per cent. meat extract or 1.2 per cent. corn steep liquor, and 0.5 per cent of NaCl. In surface culture, the growth takes about twelve days at 28°C., and in submerged culture about five days. The streptomyces family of organisms are similar to bacteria in being unicellular organisms, and are also similar to the fungi in that they produce a mass of filaments or a mycelium. The mycelium has a characteristic white appearance.



Streptomycin is a water soluble base which is dispensed either as the hydrochloride or sulphate. The activity of 1 mgm. of pure streptomycin base has been arbitrarily assigned the value of 1,000 units, the theoretical values for the sulphate being 798 u/mgm. and the hydrochloride 842 u/mgm. The salts are assayed by a method similar to the bacterial methods used for penicillin, the original method being based on its bacteriostatic effect against a given strain of *E. coli*. Streptomycin was then defined as "that amount of material which will inhibit the growth of a given strain of *E. coli* in 1 cc. of nutrient broth or other suitable medium." The official unit of today is 1 microgram of pure streptomycin base and this is in fact approximately equal to one unit as determined by the original bacteriological method. A special strain of *S. aureus* may also be used and *B. subtilis* is often used in routine assay work.

The formula of streptomycin has been elucidated, and it comprises two fragments which are produced on acid hydrolysis, namely streptidine and a sugar fragment, streptobiosamine (see previous page).

The pure helianthate has been obtained by treating streptomycin with methyl orange and this on recrystallisation from ethanol gave crystals m.p. 220-226°C (D) assay 350 units/mg., which can be converted to the pure hydrochloride, a white crystalline substance optically active with $[\alpha]_D = 84°$.

There is some evidence that certain strains of a given organism may vary in their susceptibility to streptomycin.

On the cessation of treatment of tuberculosis with streptomycin, the danger of flare-up of the disease is very real but no final verdict can be given on its usefulness until very much more clinical data has been obtained.

# MISCELLANEOUS INQUIRIES

**Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.**

**Codling Moth.**—*C.I.S.*—Combined with lead arsenate, phenothiazine has been used experimentally in the United States, apparently with some success, as an insecticide in the control of the codlin moth pest.

**Uses of Titanium Tetrachloride.** — *L.M.S.* — Titanium tetrachloride, which was used during the war to produce smoke screens may be used directly as a mordant in dyeing processes, may be reduced to titanous chloride for "stripping" over-dyed cotton goods before redyeing, or may be converted into titanium dioxide for use as a pigment in the paint industry.

**Control of Raspberry Beetle.**—*B. L. D.*—Methods recommended for controlling raspberry beetle infestation include spraying with derris or lonchocarpus root (containing about 2 per cent. rotenone), using 2-2¼ lb. of the finely powdered root, plus a suitable amount of wetting agent, per 100 gall. of wash. For raspberries and loganberries, two sprayings should be applied, the first about ten days after flowering has begun, and the second ten to fifteen days later.

**Anti-misting Agent.**—*B.L.R.*—A preparation used by the Royal Air Force as an anti-misting agent for aircraft windows had the following composition:—

| | |
|---|---|
| Sodium oleyl sulphate | 18 |
| Titanium oxide | 27 |
| Industrial alcohol | 33 |
| Water | 22 |

The preparation is shaken before use, applied to the windows, allowed to dry, the resulting white film being removed by gentle polishing. The coating of wetting-agent left is stated to be invisible, non-tacky, and long-lasting.

**Cleaning Byres.**—*S.M.L.*—For removing dirt and grease from byres likely to have been infected with tuberculous cattle, a 4 per cent. solution of washing soda, preferably hot, is suitable. The solution should be used on all stalls, partitions, woodwork, troughs and similar fittings prior to disinfecting them.

**Naples Soap.**—*B.F.P.*—An old type of almond shaving-cream sometimes referred to as Naples soap, may be prepared to the following formula:—

| | |
|---|---|
| Animal fat | 11 oz |
| Caustic potash | 13 dr. |
| Water | 4½ oz. |

Dissolve the potash in the water and triturate the animal fat with the solution in a mortar. Allow to stand twelve hours and add—

| | |
|---|---|
| Oil of bitter almond | 10 min. |
| Spirit | ½ fl. oz. |

Triturate until the mass becomes pearly in appearance.

**Mouthwash Tablets.**—*M. D. G.*—Antiseptic tablets which should give no trouble from the undue absorption of atmospheric moisture may be prepared according to the following formula:—

| | |
|---|---|
| Benzoic acid | gr. 20 |
| Boric acid | gr. 750 |
| Phenol | gr. 25 |
| Sodium bicarbonate | gr. 125 |
| Acacia, in powder | gr. 125 |
| Carmine | gr. 2 |
| Gluside | gr. 4 |
| Thymol | gr. 2 |
| Oil of peppermint | m. 25 |
| Oil of gaultheria | m. 15 |
| Distilled water a sufficiency. | |

Make 100 tablets. One to be dissolved in a wine-glassful of warm water as a mouth-wash.

# WINDOW DRESSING WITHOUT TEARS

By S. T. James, M.P.S.

IN this article I hope to give some hints on how to make window dressing, which the average chemist seems to regard as a necessary evil, not only a profitable occupation, but a pleasant one.

The window of a shop where I worked years ago was 7 ft. long and had five huge curved glass shelves. Dressing it was not always something to be looked forward to. My first job in the morning would be to follow the manager round the shop, noting down on the back of an old showcard each item that he wanted put into the window. Then I would have to sort out some suitable showcards from a large untidy pile and make sure that there was sufficient stock of each item that was to be displayed.

Not until everything for the new window was ready, and a plan of campaign worked out, would I make a start on emptying the old window. When the stock had been sorted and stowed away, and the windows and the shelves cleaned, everything was ready to set to work dressing the new window without any delays. "Out and in the same day" was the rule, I soon discovered, for a display that was still unfinished by the second morning came in for a great deal of detailed criticism and many tiring alterations had to be made.

**The "proof" photograph of a competition display should be studied closely for faults. The large background of the display illustrated above was readjusted four times before it was ready for the final photograph to be taken**

### Three Golden Rules

If I could finish the job in one day, with the final touches added and the doors of the window shut before closing time, the manager was usually content not to demand any alterations. In consequence, I learned to work fast, but in doing so I was able to think out for myself the three golden rules of window dressing:—

(1) A detailed plan of the new display must first be worked out on paper, shelf by shelf, and all the necessary stock and show material prepared.

(2) The previous window must be cleared and all goods stored away before starting on the new window.

(3) Once started, the plan should be carried out speedily. Time spent on the pavement is usually time wasted. Distances can best be judged and correct balance maintained by marks made permanently on the floor of the window.

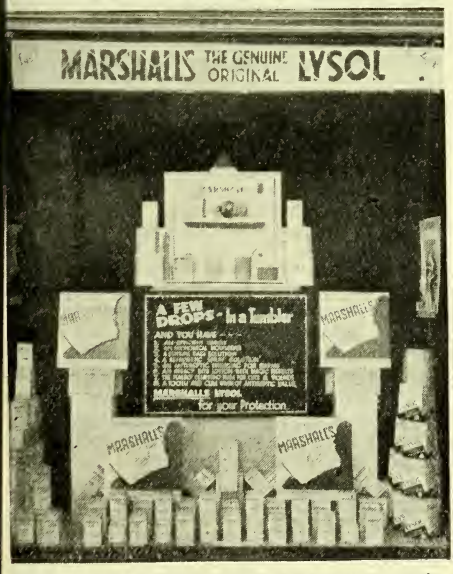
Time spent in preparing the plan reaps rich dividends. At one time I used to file my old plans and I often found them useful when preparing later windows. As a first step, I tour the shop and stockroom, marking on the back of a large showcard all the "possibles" for display. Each item must satisfy three requirements: (a) it must be seasonable; (b) it must be profitable; and (c) there must be sufficient stock. Having selected the items, I fill in on a plan of the window the place each item is to occupy, and make a list of all the show material that will be required. In recent years storage of showcards has presented no problem; there have been none. But when, once again, they become plentiful, they should be stored on edge in a long rack, with a box for the smaller cards.

The services of a friendly poster artist are essential for efficient display work. My poster artist used to keep for me a stock of

about 150 blank cards ($5\frac{1}{2}$ in. × $3\frac{1}{2}$ in.). When I needed a showcard urgently, I would send him a postcard (always kept ready, stamped and addressed) stating the wording I required, so that my windows were always topical.

My experience has been that complete displays of a single line have a lasting effect on sales, as they identify the shop with the product in the mind of the public. When there is only one window, however, it is not wise to keep in a solus display for more than a week. A moving display, although it may require some ingenuity, proves a most effective sales maker. Many people still remember an electric train covering about 400 miles and pulling a load of $3\frac{1}{2}$ lbs. that was used some fifteen years ago to advertise a brand of cough pastilles.

**A Brand's competition display, featuring enlarged versions of the makers' own showcards, that increased sales but did not win a prize. The writer points out that the successful competitor thought out new showcards of his own.**




**A display with movement will attract the attention of the passer-by. The Marshall's lysol display featured a continuous stream of drops from bottle to tumbler. Boring a hole in the tumbler proved a ticklish problem but was successfully done.**

Competition displays, of course, require special treatment. Unless an original approach can be thought out, it is best not to start at all, but the extra effort proves well worth while, especially when a telegram comes to say that you have the prize, or even when no telegram comes, and you know "you've had it." For competition work the plan must be detailed, and it is best to tear up at least ten before deciding on one that seems satisfactory. Then with a clean, clear window, carry out the display according to plan and take a photograph of it. The proof of the photograph should be studied closely for faults—it is amazing how many you will find—and any necessary alterations to the window should be made. Then take your final photograph, send it in, and all you need to do is wait for the telegraph boy.

### Competition Displays

The illustrations show some of the windows that I have dressed for competition purposes. In the Gillette display, the very large background had to be taken out and readjusted four times before it was ready for the final photograph. The telegraph boy never came, probably, I think, because I used the makers' own slogan instead of thinking out a new one of my own. The Marshall's lysol display featured a continuous stream of drops, achieved by siphoning the solution from a bucket on top of the

window and carrying the waste solution away through the bottom of a tumbler. Boring a hole in the tumber proved the most difficult problem—the tumbler nearly always broke at the final turn of the drill. I was firmly convinced that the Brand's display was a winner. The whole idea seemed just right to me, but, again, no telegram arrived and even Brand's essence did not help me to overcome the shock! I had again used the makers' own showcards, much enlarged, and was beaten by a neighbouring chemist who had thought out an original idea.

I have not always been unlucky, however, and have managed to win more than £325 in prizes. Winner or loser, I have had some enjoyable times, and have always found the judging to be conducted with complete fairness and I am looking forward to entering further display competitions.

To-day, unfortunately, through war damage, my window consists of nine small panes and seems to defy my every effort. At least it saves me the trouble of finding suitable materials for display! For those whose windows are still intact, there seem to be available supplies of metallic papers and corrugated paper (a most adaptable material) in various colours. Discarded black-out material, despite its unpleasant memories, makes a fine background for many types of goods. The most important link, however, between the chemist's brainwaves and achieving sales or winning prizes is the friendly poster artist. With his help, chemists should be able to achieve "window dressing with pleasure for profit."

# EIRE PHOTOGRAPHIC DEALERS

The annual meeting of the Eire Branch of the Photographic Dealers' Association was held in Dublin in May 19. Mr. J. J. Roche (chairman) recalled that the previous annual meeting of the Branch had been held in 1942. The work done by the committee during the war years had been important if not spectacular. Few dealers realised the part played by the P.D.A. in obtaining even the meagre supplies which had been available. With the return to more normal conditions, careful consideration was being given to the increasing number of applications for membership being received from all kinds of traders, to ensure that supplies would reach only legitimate retail channels. He appealed to those who had allowed their membership to lapse, and to chemists and opticians who had not previously been members, to join the Association. Manufacturers were now entering into agreements with the P.D.A. and supplies would usually be available only to members. It was hoped, Mr. Roche added, to arrange in the Autumn a course which would give assistants a good knowledge of photographic cameras and apparatus.

On the motion of Mr. G. C. O'Neill, seconded by Mr. Boles, the following *Committee* was re-elected for the coming year: Messrs. P. A. Brady, T. R. Bourke, A. J. Donnell, G. A. McLean Lee, B. F. Mason, P. F. McGrath, W. Pollock, J. J. Roche, P. Slattery, and L. G. Smith. Mr. Lyall G. Smith (secretary) referred to an agreement recently reached between the Eire Branch and the photographic finishers (see *C. & D.*, May 17, p. 548). He then gave a detailed account of the work being done by the National Council of the P.D.A. The question of industrial supplies was before the Council and the case was made that equipment should be supplied through a local dealer whenever practicable. With the growth of cine photography, the P.D.A. had established a close liaison with the Kine Manufacturers' Association and had issued an inexpensive booklet entitled "The Film in Education." The P.D.A. was forming a benevolent fund, to which a generous subscription had already been received. Mr. M. Costello (president, Irish Drug Association), moving the adoption of the reports, said it was not sufficiently realised by chemists what serious difficulties might have arisen through indiscriminate trading but for the P.D.A. Applications for membership of the Branch should be sent with an annual subscription of 10s. to Mr. P. A. Brady (treasurer), 12 Upper Camden Street, Dublin.

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**Dublin Closing Hour.**—In a ballot conducted recently by the Irish Drug Association to determine the views of chemists in the Greater Dublin area, including Dun Laoghaire, on a suggestion for an earlier daily closing hour of 7 p.m., only 43 per cent. voted in favour of the change. The committee of the I.D.A. has decided to take no further action at present.

**Dublin Strike Continues.**—No settlement of the strike of wholesale drug workers in Dublin had been reported at the time of going to press (see *C. & D.*, March 8, p. 238), and supply difficulties are being experienced in a number of hospitals and institutions. Retail chemists are being obliged to collect available supplies from the wholesalers' warehouses.

# MEDICAL ABSTRACTS

**Reaction to Oils and Fats.**—Commenting on the use of oils and fats in injections and inhalants, the "British Medical Journal" points out (March 29, p. 420) that, while vegetable oils are inert in the human organism, animal fats, even of homologous origin, cause foreign body reaction. Mineral oils are "exceedingly dangerous" in the wrong place, and especially in the lung. Lanolin injected into the peritoneum produces a foreign-body-reaction tumour within a few days, and mineral oils injected subcutaneously cause severe reactions, "as many beauty seekers know to their cost." The inhalation of mineral oils may induce severe and sometimes fatal reactions in the lung (lipoid pneumonia). The use of oily medicaments for the treatment of sinusitis is probably wide; these preparations are "bland," and cause no cough reflex.

**Ringworm of the Feet.**—The use of sodium caprylate for the treatment of ringworm of the foot, as used by Keeney and others, is referred to in the "British Medical Journal" (January 11, p. 61). After treating American midshipmen with sodium caprylate for four weeks they found 90.7 per cent. were free from fungus, but later records were less satisfactory, possibly owing to irregular use after the symptoms had declined, or to reinfection. The following formula was used:

| | |
|---|---|
| Caprylic acid | 10.00 |
| Sodium hydroxide (90 per cent. of the theoretical amount) | 2.45 |
| Diethylene glycol monoethyl ether | 3.00 |
| Carbowax 6000 | 47.50 |
| *n*-propyl alcohol | 10.00 |
| Zinc caprylate | 5.00 |
| Water | 22.05 |

10 per cent. of the caprylic acid in the formula is left free for a final *p*H adjustment to 8.0.

**Calciferol in Tuberculosis.**—The success attained by Feeney ("Lancet," April 5, p. 438) in treating 150 cases of lupus vulgaris with massive doses of calciferol (100,000-150,000 units daily) would have taken "twice or three times as long" by former methods. The treatment appears to be increasingly efficacious for the first nine months, and rendered most of the patients independent of light baths: it had no effect on lupus carcinoma, but dispersed at least three cases of potential malignancy. The drug was administered in tablets or as a mucilage, but as the incidence of intolerance was 23 per cent. by this method, an alcoholic vehicle for oral administration is recommended. Eight cases of toxicity were noticed. It is thought that the optimum dosage has yet to be found, and that idiosyncrasy plays a part. The addition of vitamin B, or calcium, did not affect tolerance. Simultaneously with these investigations, Staniland and Franklin found (*ibid.*) that calciferol (up to 100,000 units daily) had no effect on pulmonary tuberculosis.

**A New Sulphonamide Technique.**—A new principle for sulphonamide therapy, called by its sponsors "sulpha-combination," is described by Frisk and other Swedish workers ("British Medical Journal," January 4, p. 7). The new method is designed to eliminate the risk of concrement formation in the kidneys by administering a mixture of the drugs so that the solubility in urine of any one of the drugs, or its end products, is not exceeded. Based on this principle, a mixture of sulphonamide drugs named by the authors "sulphadital," is recommended; it consists of sulphathiazole, 37 per cent., sulphadiazine, 37 per cent., and Sulphamerazine, 26 per cent. Solubility experiments on the drugs and their acetyl derivatives in urine at 37° confirmed that all the compounds dissolved independently of each other. Animal experiments showed that, while a daily dose of 0.8 gm./kilo of sulphadiazine, or sulphathiazole, or 0.6 gm./kilo of Sulphamerazine, caused concrements in rabbits, 60 per cent. of the animals receiving a 2 gm./kilo dose of sulphadital daily escaped concrement formation. The individual components of the mixture, when given in a 2 gm./kilo dosage, produced renal calculi in every animal. The authors' requirements for constituents of a good "sulpha-combination" include similar antibacterial effects and low toxicity. Sulphathiazole should not predominate in the mixture, as it is rapidly excreted, and its acetyl derivative is not easily soluble; Sulphamerazine, however, being slowly excreted, produces concrements at a lower dose than do sulphathiazole and sulphadiazine. A mixture was sought therefore, possessing the pharmacological properties of sulphadiazine yet without risk of accumulation; sulphadital was the mixture finally decided upon. "Sulpha-combination" is particularly useful in treating the more resistant bacteria, as dosage can be increased considerably with little risk of calculus formation.

# CORRESPONDENCE

## Election Candidates' Thanks

SIR,—I should like to convey my thanks to all who supported me in the recent Council elections, and hope that I may continue to deserve their confidence on a future occasion.

Yours faithfully,
London, N.15. HERBERT F. GRAINGER,

SIR,—May I take this opportunity of thanking those who voted for me at this last election and to assure all members of the Society of my constant endeavours to do all that I can in the best interests of pharmacy and the pharmacist.

Yours faithfully,
Manchester. H. STEINMAN.

SIR,—I should like through the medium of your columns to thank those members of the Pharmaceutical Society who supported me in the Council election. It will be my earnest endeavour to merit their continued confidence and support.

Yours faithfully,
London, W.7. F. G. WELLS.

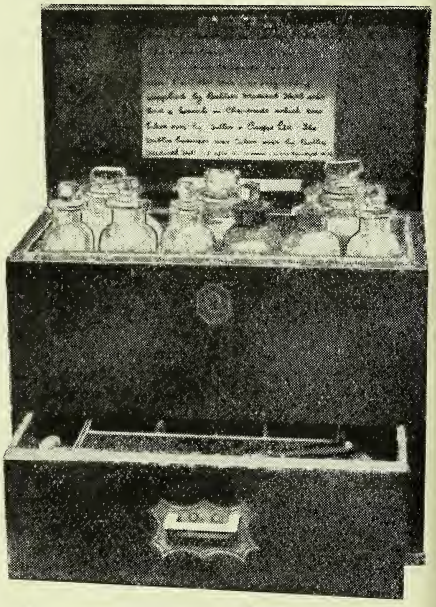
## For Our Own Good?

SIR,—Is there a common organism which attacks "those set in authority over us"? The Council of the Pharmaceutical Society has presented its members with a new education policy (a *fait accompli*), a new form of charter, and more recently a request for drastic proprietary medicine control. All this is called "looking ahead," and we are assured that it is "for our own good." Has the Council decided that small doses of control produce a control-resistant pharmacist, and that massive doses are necessary to eliminate those of us who cherish the belief that only by sticking to our counters can we effectively give that personal service to the community which for so long has been our pride, and which is sadly lacking in Government departments and multiple concerns? The head of a powerful multiple firm once said that his concern could have closed every private chemist's shop in the country. Is the Pharmaceutical Society going to do this and leave the field clear for "cash chemists"? This, I venture to presume, is where compulsory membership of the Society has landed us.

Yours faithfully,
Anstruther. R. S. WHITELAW.

# GIFT TO DUBLIN MUSEUM

A BRASS-MOUNTED mahogany medicine chest was presented recently to the museum of the Pharmaceutical Society of Ireland by Mr. Frank Steele (Rice, Steele & Co., Ltd., manufacturing chemists, Dublin). A brass tablet on the lid is inscribed "Rev. S. Murray." The upper tray contains bottles for "Paregoric Elixir," "Calomel," "Best



**Medicine chest presented to Pharmaceutical Society of Ireland**

Aether," etc. The drawer contains a small set of scales and weights, various glass containers, and a spatula. An inscription inside the lid reads, "From the label on one of the bottles, 'The Medical Hall, 31 Lower Sackville Street, Dublin, and Cheapside, London,' it is clear that this case was originally supplied by Butler's Medical Hall, who had a branch at Cheapside, which was taken over by Butler & Crispe, Ltd. The Dublin business was taken over by Butler's Medical Hall after the premises were destroyed in 1916."

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**Never?**—Throughout America, even in its greatest universities, there are courses of subjects such as "cosmetology" . . . that would never find a place in our own system. —Professor Cannon, in a letter to the "Manchester Guardian."

# OVERSEAS TRADE NEWS

**German Penicillin Factories.**—British and German health authorities are planning to convert a number of German breweries in the British zone into penicillin factories.

**New Deposit of Ozokerite in Russia.**—A new deposit of ozokerite, the largest in the Soviet Union, has been discovered in Central Asia. Ozokerite is a naturally occuring paraffin wax. Construction of a large plant for processing the wax will be in operation by the end of 1947.

**India's April Shellac Shipments.**—Exports of shellac and seedlac during April were small, totalling 34,449 packages compared with 50,471 packages in March. Of the total consignments, the United Kingdom is to receive 8,532 packages of shellac and 3,222 packages of seedlac.

**German Exports to Switzerland.**—Swiss imports from Germany are increasing steadily and, during the first quarter of 1947, reached a value of 21.1 million Swiss francs. Of this total, 700,000 francs consisted of pharmaceuticals, and a further 700,000 francs were contributed by German shipments of chemicals and dyestuffs.

**Danish-Finnish Trade Agreement.**—A Danish-Finnish trade agreement, valid until December 31, was signed recently. The agreement, involving the exchange of goods worth 80,000,000 kroner (about £5,600,000) by both sides, provides for delivery from Denmark of a number of products including pharmaceutical preparations.

**Dutch Trade Pact with Russian Zone.**—A trade pact signed between Holland and the Russian Zone in Germany provides for an exchange of goods during the year totalling an equivalent of about £1.900,000 to £2,300,000. The Dutch will send the Germans superphosphate, rubber and chemical raw materials in return for potash, chemical products, and metal industry goods.

**Kenya Pyrethrum.**—The East African board concerned with pyrethrum has recommended Kenya growers to accept, for commercial reasons, a lower price for the remainder of the year than they are legally entitled to under contract. The Board of Trade agreement, which gives growers a guaranteed price, ends on December 31. The pyrethrum board said in its annual report that wartime demands encouraged other countries to grow their own product.

**U.S. Cosmetics Exports Drive.**—Exports of cosmetics from the U.S. in 1947 should be increased to a value of $60,000,000, a figure more than double the 1946 amount and six times larger than annual pre-war exports, said Mr. T. W. Delehanty, Assistant Chief of the Drug and Chemical Division, Office of International Trade, at a meeting of the U.S. Toilets Goods Association recently. Out of the twenty-five countries that absorbed 88 per cent. of the 1946 export total nineteen were located in the Western Hemisphere. Canada, the West Indies, Latin America and U.S. territorial possessions took goods valued $13,500,000.

**Malayan Derris Industry.**—The Malayan derris-producing industry, output of which is almost entirely exported to foreign insecticide manufacturers, has been making a steady recovery. Exports of tuba root, from which the derris is extracted, reached an approximate average of 80 tons a month in the last quarter of 1946 (compared with 100 tons in pre-war years), rose to 110 tons in January this year, and by April had advanced to 150 tons. Of the 240 tons exported in the last quarter of 1946, nearly 210 tons were sent to the United Kingdom. Prices, which in pre-war years ranged from $20 to $45 per picul, are now between $100 and $110 (for air-dried roots).

## IRISH IMPORTS IN 1946

The Eire Trade Returns for 1946 issued recently, show that imports of chemicals, drugs, perfumery, dyes and colours rose from the 1945 total of £1,828,319 to £2,554,107. The value of disinfectants and insecticides imported into Eire last year totalled £86,736, compared with £86,601 in 1945. Under the heading "chemical manufactures and products," the imports for 1946 came to £591,507 against £417,206 for 1945. There was a large increase in the amount of perfumery and cosmetics brought into Eire last year. Imports under this head totalled £154,688 compared with £79,224 for 1945. Medicines and medicinal preparations imported came to £685,942 for 1946, compared with £483,351 for 1945. Ointments and salves to the value of £42,235 were also imported as against £35,950 in 1945. In 1946, Eire imported castor oil to the value of only £4,098 against £21,019 in 1945, while on the other hand imports of cod-liver oil rose from £15,835 in 1945 to £43,238 last year.

# TRADE REPORT

**Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.**

## 28 Essex Street, W.C.2, May 28

THE markets have been rather quiet during the past week and, at the time of going to Press, show little sign of revival to normal. There have been no changes in the prices of PHARMACEUTICAL CHEMICALS. Reports show that demand for SULPHANILAMIDE is good and that quotations for this product are firmly maintained. Supplies of BENZOIC ACID have improved slightly and this applies also to SODIUM BENZOATE. GUIAICOLS are becoming more freely available, particularly the liquid and carbonate.

### Crude Drugs

The market has shown few appreciable changes and prices generally have been held at previously quoted figures. Shipment quotations for Cape ALOES have recovered after declining to 170s. per cwt., c.i.f. BALSAMS are quiet. A fair business in BENZOIN is passing; prices are unchanged. Little, if any, CALUMBA is available on the spot. Lower prices are asked for ERGOT but there is only a small inquiry. GUM ACACIA is a firmer market. SENEGA is weak; prices have declined appreciably. WAXES have continued to ease—spot quotations for CARNAUBA, fatty grey, are down to 750s. per cwt.

### Essential Oils

There are some small variations in the spot quotations for a number of oils but the market generally is steady. NEROLI is easier on the spot. A good inquiry is reported for NUTMEG; quotations are from 65s. to 90s. per lb., according to holder.

Supplies of a number of SYNTHETICS and ISOLATES are improving and in some instances have reached "adequate" proportions.

## U.S. Drug and Chemical Report

**New York, May 23**

THE limited quantities of industrial chemicals and coal-tar by-products which are offered on the resale market are not meeting with many inquiries because of the quiet demand from abroad. Price reductions in CAMPHOR and ALOIN and the resumption of production of RACEMIC MENTHOL featured among developments in FINE CHEMICALS during the past week.

The prices of technical and U.S.P. grades of synthetic camphor have been cut by one to two cents per lb. Cheaper raw material costs have permitted a reduction of 30 cents in the price of aloin. Production of racemic menthol, a substitute for normal menthol, has been resumed after a six-months' halt due to shortage of materials. It is hoped that manufacture of this item will stop any tendency for prices of normal menthol to soar when demand again increases later this year. There is a strong demand from abroad for TARTARIC ACID.

Price declines, though not as numerous as in recent weeks, featured the CRUDE DRUGS market again last week, but it is felt that any improvement in the demand would result in a reversal of this trend. Stocks of many lines are exceedingly tight, but most consumers are continuing to hold out in the hopes of further price reductions. The quotations for CARNAUBA WAXES were again reduced, following reports of large unsold quantities in Brazil. There has been less interest in Indian VALERIAN ROOT with the appearance of more Belgian material.

Activity in ESSENTIAL OILS and AROMATIC CHEMICALS last week continued limited to consumer purchases against immediate requirements. More interest has been noted from the soap manufacturing trade but insecticide and perfume producers are still keeping out of the market. The price for PEPPERMINT OIL was increased because of the tight supply, but artificial MUSKS were offered much more freely than of late, resulting in a substantial reduction in the quotation.

## Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder.

ADRENALINE.—Quotations for natural are from 5s. 6d. to 6s. per gm., according to quantity; synthetic, from 2s. to 2s. 3d.

ALLOBARBITONE.—Current price for 10-kilo lots is 90s. per kilo; smaller quantities are quoted 99s. per kilo.

AMIDOPYRINE.—Quotations are firmly held at from 50s. to 60s. per lb., according to quantity.

BENZOIC ACID.—Makers' quotations are from 2s. 7d. to 3s. per lb., according to grade and quantity.

BUTYL CHLORAL HYDRATE.—Current prices are from 17s. 6d. per lb. upwards.

CAFFEINE.—In short supply. Makers' prices per lb. are as follows: ALKALOID, anhydrous, from 41s. 6d. to 45s. 6d. and B.P., from 39s. 6d. to 43s. 6d., according to quantity; CITRATE, from 24s. 6d. to 28s. 6d.; SODIUM BENZOATE, from 24s. to 28s.; SODIUM SALICYLATE, from 24s. 9d. to 28s. 9d.; SODIUM IODIDE, from 29s. to 32s.

CALAMINE.—B.P.C. quality is quoted at 2s. 2d. per lb. for quantities of 1 cwt.

CALCIFEROL.—Quotations are from 11s. to 12s. per gm., according to quantity.

CHLOROFORM.—Current rates are as follows: 1-cwt. lots in Winchester quarts, 2s. 11d. per lb.; 56 lb. 2s. 11½d.

CINCHONINE.—Packed in 100-oz. tins, ALKALOID is quoted at 5s. 6d. per oz. and SULPHATE, 4s. 6d. per oz.

CINCHOPHEN.—Prices are from 35s. to 40s. per lb., according to quantity.

EPHEDRINE.—Quotations for the ALKALOID are from 9s. to 12s. per oz., as to quantity. HYDROCHLORIDE is quoted from 6s. to 9s. per oz. Supplies are limited.

ERGOMETRINE.—Makers' prices per gm. are as follows: BASE, in quantities of 1 gm., £20; 5 gm., £19 5s.; 20 gm., £19. ACID MALEATE, 1 gm., £14 15s.; 5 gm., £14 5s.; 20 gm., £14.

EUCALYPTOL.—B.P. quality, in good supply, is available at 12s. 6d. to 13s. per lb., according to quantity.

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. HYPOPHOSPHOROUS ACID, in quantities of 6 Winchester quarts is 6s. 2d. per lb.

IODIDES.—Prices (per lb.) of minor iodides are as follows: AMMONIUM, B.P.C., 7-lb., 15s. 9d., smalls, 16s. 3d.; ARSENIC (triodide), B.P., 28s. 6d.; CADMIUM, B.P.C., 22s.; CALCIUM, B.P.C., 19s.; ETHYL, 28s.; IRON, B.P.C., 14s.; LEAD, B.P.C., powder, 18s.; LITHIUM, B.P.C., 20s. 3d..; STRONTIUM, B.P.C., 18s. 6d.; ZINC, B.P.C., 19s. 3d.; MERCURIC, B.P., 7-lb., 14s. 3d., smalls, 14s. 9d.; MERCUROUS, B.P.C., green or yellow, 7-lb., 18s. 6d., smalls, 19s.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt. in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices are net.

NICOTINE.—Makers' quotation for ALKALOID B.P.C. is 5s. per oz. SALICYLATE, B.P.C., is quoted at 6s. 6d. per oz. Commercial alkaloid (95 per cent.) is priced at 17s. per lb. and commercial sulphate (40 per cent. nicotine) is 7s. 6d. per lb.

NICOTINIC ACID.—Current quotations are in the region of 80s. per lb.

PANCREATIN.—Price of B.P. material is from 13s. 6d. upwards, as to quantity.

PARALDEHYDE.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 Winchester quarts, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

QUININE.—Current quotations per oz. for quantities of 100 oz. packed in tins (free) are as follows. ALKALOID, 7s.; BISULPHATE, 4s. 9d.; DIHYDROMIDE and DIHYDROCHLORIDE, 6s.; HYDROBROMIDE and HYDROCHLORIDE, 5s. 8d.; HYPOPHOSPHITE, 8s. 4d.; SALICYLATE, 6s. 6d.

ROCHELLE SALT.—1-cwt. lots are quoted at 202s. 6d. SEIDLITZ POWDER is at 156s. 3d. per cwt. for ordinary strength; extra strong is 168s. 9d., and double strength 175s. 9d. per cwt.

## Crude Drugs

ALOES.—Curaçao is steady at 240s. per cwt., spot; forward price is quoted at 210s. c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; poorer grades are offered at as low as 150s. Cape, for shipment, 185s., c.i.f.

ANISE (STAR).— Spot quotations are steady at 150s. per cwt., duty paid; forward, 100s., c.i.f.

ANTIMONY.—Current rates are as follows: 99.6 per cent. regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

ARECA NUTS.—Quiet. Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder.

BALSAMS.—*Canada* is quoted at 15s. per lb., spot; Parà *Copaiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices are from 18s. to 19s. per lb., spot.

BENZOIN.—Spot quotations for Sumatra are unchanged at from £17 10s. to £23 per cwt,. according to quality.

BISMUTH.—Current price for high-grade metal is 10s. per lb., in 5-cwt. parcels.

BUCHU.—Short-rounds are at 4s. to 4s. 3d. per lb., spot; new-crop, for shipment, 4s., c.i.f.

CALABAR BEANS. — Quotations are at 1s. 6d. per lb., ex warehouse Liverpool.

CAMPHOR. — Steady. Chinese tablets (¼-oz.), quoted at 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—Chinese is quoted on the spot at 17s. 6d. per lb.

CAPSICUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—Quiet and steady. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—1946 peel is quoted at 275s. to 280s. per cwt., duty paid. New-peel bark, in course of collection, is quoted at 36 to 38 cents per lb., c.i.f.

CASCARILLA.—Quills, sellers at 1s. 11d. per lb.; siftings are available at 1s. 6d., spot.

CASSIA PODS.—(*C. fistula*).—East Indian is easier at 80s. to 85s. per cwt., ex wharf.

CHAULMOOGRA.—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins in cases.

CHILLIES.—Mombasa, quoted at 165s. to 175s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

CLOVES.—Zanzibar are quoted at 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

COCOA BUTTER. — Maximum controlled price is 2s. 11d. per lb., delivered.

COCHINEAL.—Silver-greys for the home trade, 4s. 6d. per lb., on the spot; blacks, scarce, are quoted at 5s. 9d. per lb.

COLOCYNTH.—Fine-white is at 2s. 2d. and medium-white, 2s. per lb., spot.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot. English-grown, 2s. 6d. per lb.

ERGOT.—Easier. Spot quotations are from 5s. to 5s. 3d. per lb.; shipment, 4s. 9d., c.i.f.

EUPHORBIUM.—Quoted at 80s. per cwt. on the spot.

GALBANUM.—A parcel is being offered at 8s. 6d. per lb., in bond.

GAMBOGE.—Siam pipe, scarce on the spot, is quoted at £65 per cwt.; shipment, £45 c.i.f.

GENTIAN.—French natural root is steady at 100s. per cwt.; cut, 130s., spot.

GUAIACUM RESIN.—Lump material, now afloat, is quoted at 3s. per lb., landed.

GUM ACACIA.—Quotations for Kordofan cleaned sorts are at 75s. per cwt., spot; shipment, 67s. 6d., c.i.f. Bleached No. 1 is quoted at 145s., ex store. Talha is quoted at 41s. per cwt., spot; forward, 37s., c.i.f.

GUM MASTIC.—No. 1 is quoted at 16s. per lb., duty paid.

HENBANE.—Indian leaf is quoted at 250s. per cwt., spot.

HENNA.—Indian leaves would be worth 1s. 5d. per lb., landed.

HYDRASTIS.—Spot quotation is at 60s. per lb.; forward, 55s., c.i.f.

IPECACUANHA.—Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 25s. 6d., c.i.f.

IRISH MOSS.—French material, finest-quality bleached, is quoted at 120s. per cwt., spot; No. 1 is at 105s.; No. 2, 95s. per cwt.

JALAP.—Vera Cruz is quoted at prices from 2s. 3d. to 5s. per lb., according to test.

JUNIPER.—Italian berries, quoted from 56s. to 65s. per cwt., according to quality.

KAMALA.—Material with a test of 6 per cent. ash is quoted at 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

KOLA NUTS.—Steady. African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

MERCURY.—Spot quotations are at £17 3s. 6d. per flask, ex warehouse; shipment, £16 12s. 6d., c.i.f.

MYRRH.—Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot, according to seller.

OLIBANUM.—Fair to good crop is quoted from 200s. to 240s. per cwt.; good garblings, 180s.; seeds, 175s.; siftings, 110s.

QUASSIA. — For shipment, June-July, quoted at 34s. per cwt., c.i.f.; September-October shipment is quoted at 32s., c.i.f.

QUILLAIA.—Natural bark, quoted at 130s. per cwt.; cut, for future delivery, 150s., ex store.

SEEDS.—The market still continues quiet, although several orders are reported to have been placed from the Continent. ANISE.—Cyprus quoted at 2s. 3d. per lb., spot, London or Liverpool. CARAWAY.—Dutch have been offered as low as 1s. 2d. per lb., duty paid, for 5-ton lots. Sellers, however, are still holding for 1s. 4d. per lb., duty paid, for small lots. CELERY.—Indian offered at 1s. 5½d. per lb., spot, Liverpool. Polish is still quoted at 1s. 1d. per lb., duty paid. CORIANDER. — Spot, Morocco, quoted at 52s. 6d. per cwt., duty paid, ex wharf London; Argentine offered at 50s. per cwt., duty paid, ex warehouse Liverpool; English, nominal, 75s. per cwt. CUMIN.—Spot, Morocco, quoted at 237s. 6d. per cwt., duty paid, ex wharf London; Indian, 235s. per cwt., ex store Hull or Liverpool; Cyprus, 240s. per cwt., ex wharf London. For shipment: Morocco new crop is now quoted at 180s. per cwt., c.i.f., London; Cyprus is also quoted at this figure. DILL.—Indian offered at 45s. per cwt., ex wharf London, and 42s. 6d. per cwt., ex store Liverpool. FENNEL.—Indian, 105s. to 115s. per cwt., ex wharf London. FENUGREEK.—Indian, 50s. per cwt., ex wharf London, and 45s. per cwt., spot Liverpool; Morocco new-crop, for shipment, 50s., c.i.f.

SHELLAC.—Spot quotations, ex warehouse London, are as follows: F.O.T.N., pure, easier at 305s. per cwt.; F.O. standard, No. 1, 312s. 6d.; F.O. lemon, No. 1, 355s.; buttonlac, 355s.

TONKA BEANS.—Frosted Pará is quoted at 4s. 9d. per lb., spot.

TRAGACANTH—Steady. Selected grades are quoted at £155 per cwt. Other grades are as follows: No. 1 white, £145 per cwt. No. 2 white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £45; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15 per cwt.

TURMERIC.—Madras finger is quoted at from 105s. to 110s. per cwt., spot.

VALERIAN.—Belgian root is at 190s. to 220s. per cwt., according to holder.

WAXES.—Dar-es-Salaam BEES' is quoted at 326s. 6d. to 365s. per cwt., spot; shipment is easier at 350s., c.i.f. Quotations for Lindi are 360s., spot, and 347s. 6d., c.i.f. for shipment. CANDELILLA.—Spot, easier at 450s. per cwt.; forward, 442s. 6d., c.i.f. CARNAUBA.—Easier. Fatty grey is quoted at 750s. per cwt., spot; afloat, 580s., c.i.f.; June shipment, 490s., c.i.f. Prime yellow is quoted at 880s., spot; afloat, 800s., c.i.f.; shipment, 700s., c.i.f. MONTAN.—Reibeck is quoted at 400s. per cwt., spot; Czechoslovak crude, 335s., spot. OURICURI.—2 per cent., spot, 500s. per cwt.; 9.2 per cent., spot, 475s.; 6 per cent. shipment, is quoted at 360s., c.i.f.

## Essential and Expressed Oils

ALMOND.—B.P. sweet is quoted at 8s. to 9s. per lb., according to quantity.

AMBER.—Rectified, B.P.C., is quoted at 2s. per lb.

BAY.—West Indian is quoted at 8s. to 9s. per lb., spot.

CADE.—Spot, 6s. per lb., nominal.

CANANGA.—Nominal value, 50s. per lb.

CASSIA. — Spot quotations are from 17s. 6d. to 19s. per lb., as to quantity.

CASTOR. — Controlled prices are unchanged. Firsts, £180 per ton; Seconds, £176, naked ex works.

CINNAMON LEAF.—Quotations are at from 12s. to 13s. 6d. per lb., according to quantity.

CITRONELLA. — Ceylon is quoted at 8s. to 9s. per lb., spot.

CLOVE.—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

CORIANDER. — Very scarce. English-distilled oil is available at 250s. per lb.

FENNEL.—Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

GERANIUM.—Bourbon, 75s. to 80s. per lb., according to quantity.

GINGER.—Quotations range from 75s. to 125s. per lb., according to quality and seller.

JUNIPER BERRY.—English-distilled, from European berries, is quoted at 130s. to 140s. per lb. Imported oil can be obtained at prices from 35s. to 40s. per lb.

LAVENDER.—French (38 to 40 per cent. esters) is steady at 55s. to 60s. per lb. Spanish (spike) is quoted at 12s. 6d. to 13s. 6d. per lb., spot.

NEROLI.—Spot quotations are from 90s. to 95s. per oz.

RAPESEED.—Controlled price of crude oil is £190 per ton, naked ex works.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 85s. to 90s. per lb., according to quantity.

THYME. — Red oil (40-42 per cent. phenols) is at 16s. 6d. to 17s. 6d. per lb.; white oil is quoted at 18s. to 21s. per lb., spot.

VETIVERT.—Java is quoted at 175s. per lb., on the spot; Bourbon is at 180s.

## Synthetics and Isolates

THERE has been some improvement in supplies of a number of these products. Quotations per lb. are as follows: ACETOPHENONE.—10s. 6d. In good supply. AMYL ACETATE.—2s. 9d. AMYL BENZOATE.—5s. 6d. to 6s. 6d. AMYL BUTYRATE.—7s. 6d. to 8s. Supplies very short. AMYL SALICYLATE.—3s. 6d. to 4s. 6d. Temporarily short. AMYL CINNAMIC ALDEHYDE.—25s. ANISIC ALDEHYDE (AUBEPINE).—ex paracresol, 25s.; perfumers', 35s.; ex anethole, 45s. Limited supply. BENZYL ACETATE.—4s. to 5s. BENZYL ALCOHOL.—4s. to 5s. Good supply. BENZYL ISO EUGENOL.—35s. BENZYL PROPIONATE.—No supplies. BENZYL SALICYLATE.—7s. 6d. to 10s. BORNYL ACETATE.—12s. 6d. to 15s. Small quantities available. BUTYRIC ACID.—7s. 6d. Little available. CINNAMIC ALDEHYDE.—9s. to 10s. 6d. Supplies improving. CINNAMIC ALCOHOL.—17s. 6d. to 18s. 6d. CITRAL.—32s. 6d. to 50s. In adequate supply. CITRONELLOL.—ex Ceylon oil, 40s. to 42s. 6d. Supply improving. COUMARIN.—19s. to 20s. DIPHENYL METHANE.—6s. 6d. to 7s. Fair supply. ETHYL BENZOATE.—6s. 6d. to 7s. ETHYL PHTHALATE.—2s. to 2s. 6d. EUGENOL.—15s. to 17s. In good supply. GERANIOL.—Ex Ceylon oil, 35s. to 37s. 6d., readily available; ex Java, 70s. to 72s. 6d., nominal. HELIOTROPINE.—22s. 6d. Temporarily short. HYDROXYCITRONELLAL.—155s. to 180s. In small supply. ISOEUGENOL.—18s. to 20s. In good supply. INDOL.—(per oz.) 20s. IONONE.—100 per cent., 50s. to 52s. 6d. Readily available. LINALOL.—52s. 6d. to 55s. Supplies good. LINALYL ACETATE.—67s. 6d. to 70s. Limited amounts only. METHYL ACETOPHENONE.—12s. 6d. to 14s. METHYL ANTHRANILATE.—20s. In limited supply. METHYL BENZOATE.—5s. 6d. to 6s. 6d. METHYL CINNAMATE.—12s. 6d. to 14s. METHYL IONONE.—55s. to 60s. Readily available. MUSK AMBRETTE.—None available. MUSK KETONE.—45s. Very short. MUSK XYLOL.—13s. Rather tight. MUSTARD OIL (artificial).—18s. 6d. to 20s. NEROLIN BROMELIA.—17s. 6d. NEROLIN YARA YARA.—9s. 6d. to 10s. 6d. PHENYLACETALDEHYDE.—60s. Little available. PHENYL ACETIC ACID.—7s. 6d. to 8s. 6d. PHENYL ETHYL ALCOHOL.—15s. to 16s. Still short. RHODINOL.—170s. to 185s. In good supply. STYROLENE ACETATE.—10s. 6d. to 11s. 6d. TERPINEOL. (perfumers').—5s. 3d. to 5s. 9d. TERPINYL ACETATE.—13s. 6d.

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### Refined Vegetable Oils

Ministry of Food prices (per ton) of refined oils allocated to primary wholesalers and large trade users during the eight-week period May 25 to July 19 are given in the table below.

| Oil | Grade | Price £ |
|---|---|---|
| Coconut | Refined deodorised ... | 112 |
| Coconut | Refined hardened ..... | 116 |
| Palmkernel | Deodorised ..... | 112 |
| Palmkernel | Hardened deodorised... | 116 |
| Cottonseed | Refined deodorised ... | 114 |
| Groundnut | Refined deodorised ... | 114 |
| Groundnut | Refined hardened, deodorised to 40° ... | 118 |
| | deodorised to 50/52° | 119 |
| Palm | Refined deodorised ... | 111 |
| Palm | Hardened deodorised— | 114 |

The rates are for bulk supplies, naked, ex works. Refined edible cottonseed oil is no longer being manufactured.

# TRADE MARKS

(*From "The Trade Marks Journal," May 7*)

"LILIA"; for menstruation appliances and sanitary garments (5). By Lilia, Ltd., Park Hill, Moorfield Road, Hallinwood, nr. Oldham. 646,365 (Associated).

"ANTHOS"; for sanitary towels (5). By Lax-Vita, Ltd., 66 Victoria Street, London, S.W.1. 646,712.

"PROVITEX"; for pharmaceutical tonic preparations for human use (5). By Wands, Ltd., Wandol House, 21 Wellington Street, Leicester. 647,032.

"SUNDROPS"; for disinfectants and preparations for killing weeds and destroying vermin (5). By Thorton & Ross, Ltd., The Chemical Works, off Manchester Road, Linthwaite, nr. Huddersfield, Yorks. 647,075 (Associated).

"DOMINATOR"; for razors and razor blades (8). By Paul Angst, Neuhausstrasse 163, Uitikon a. Albis, Switzerland. 647,085.

Specification No. 642,932 by Pryce, Wright & Co., Ltd., should be altered so as to read "Hair brushes, hat brushes, nail brushes, bath brushes, clothes brushes and shaving brushes."

Specification No. 643,526 by Bayer Products, Ltd., should be altered so as to read "Pharmaceutical preparations and substances, but not including pharmaceutical preparations of hormones."

Specification No. 645,825 by Ashe Laboratories, Ltd., should be altered so as to read "Perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, and essential oils."

(*From "The Trade Marks Journal," May 14*)

"F R" and silhouette of man taking photograph (letters "F R" disclaimed); for photographic chemical preparations (1), photographic instruments and apparatus and parts thereof not included in other classes (9). By The F-R Corporation, 951 Brooke Avenue, New York, 56, U.S.A. 640,166-67 (Associated).

"HORTONE" and "HORTOXONE"; for chemical substances used in agriculture, horticulture and forestry (other than fungicides, insecticides and preparations for killing weeds), and natural and artificial manures (1); and for insecticides and preparations for killing weeds and destroying vermin (5). By Plant Protection, Ltd., Yalding, Kent. B644,976, 644,978, B644,977, 644,979 (Associated).

"BOURRASQUE," "BRUMES" and "SORTILEGE"; for bath salts, talcum powder, face powder and cream (all non-medicated), lipstick, dentifrices, soaps, perfumes, brilliantine and hair lotions (3). By Société Anonyme Le Galion, 16 rue d'Orleans, Neuilly-sur-Seine, France. 645,008-09-10.

"VITAGLOSS"; for preparations for the hair (3). By Stirling Medical Products, 9 & 11 Mill Street, Ballymena, co. Antrim, Northern Ireland. 645,655.

"SOJAN"; for liquid perfumes, bath salts (not medicated), non-saponaceous and non-medicated toilet powders and toilet creams; brilliantine, rouge, lipstick and mascara (3). By Patrick, James & Co., 8 Creek House, High Street, Kingston-on-Thames. 645,566.

"GUERLAROSE" and "GUERLILAS"; for toilet preparations (not medicated), cosmetics, preparations for the teeth and hair, and soap, all being perfumed with attar of roses and with extract of lilac, respectively, and for attar of roses and lilac perfume (3). By Guerlain, Ltd., Corner of Aintree Road and Frazer Road, Perivale, Middlesex. B643,385-86 (Associated).

"LYPTO"; for all goods (3). By London Soap & Chemical Co., Ltd., 30-31 Richardson Street, London, S.E.1. 643,510 (Associated).

"VOLTAS"; for preparations and substances for laundry use, detergents, stain removing preparations, and cleaning, polishing, scouring and abrasive preparations (3). By Voltas, Ltd., Gem Works, The Green, Southall, Middlesex. 646,359 (Associated).

"ROMNAY"; for cleaning and scouring preparations (3). By H. M. Roemmele & Co., Ltd., 65 West Regent Street, Glasgow, C.2. 646,753 (Associated).

"ARMORIAL"; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps and essential oils (3). By Edmond Rosens, 49 rue de Prony, Paris. 646,873.

"POPINJAY"; for bath salts, talcum powder, face powder and cream, all being non-medicated; lipstick, brilliantine, hair lotions, soaps, perfumes and dentifrices. By Joshua Margerison & Co., Ltd., White Windsor Soap Works, Leighton Street, Preston, Lancs. 647,047.

"GOLDEN MIST"; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatory preparations, toilet articles (not included in other Classes), sachets for use in waving the hair, soaps and essential oils. By James Eric Sawyer, 70 Far Gosford Street, Coventry. 647,321.

"ORASULES"; for vaccines (5). By Calmic, Ltd., Lostock Grange, Westhoughton, Lancs. 644,518 (Associated).

"GEETONES"; for medicated preparations (5). By Emmet Distributing Co., Ltd., 140 Park Lane, London, W.1. B646,368.

# COMING EVENTS

## Tuesday, June 3

LEICESTER AND LEICESTERSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Royal Hotel, Leicester, at 7.30 p.m. Annual meeting.

## Wednesday, June 4

WOLVERHAMPTON CHEMISTS' ASSOCIATION AND BRANCH, Chamber of Commerce, Lichfield Street, Wolverhampton. Annual meetings (Branch at 7.15 p.m., Association at 8.15 p.m.).

## Thursday, June 5

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Annual meeting.

PRESTON BRANCH, PHARMACEUTICAL SOCIETY. Visit to works of Evans Medical Supplies, Ltd., Speke, Liverpool; depart Starch House Square, Preston, at 1.45 p.m.

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.15 p.m. Adjourned 106th annual meeting.

# LIVOGEN

Trade Mark

## Again available

This well-known B.D.H. tonic can now be sold without restriction.

Its composition — liquid extract of liver B.P., extract of yeast, vitamin $B_1$ and nicotinic acid — commends Livogen for convalescents and cases of mental or physical strain. It has so wide a sphere of usefulness that it should find a place in every home.

**PRICES**

| | TRADE Excl. Tax | RETAIL Incl. Tax |
|---|---|---|
| 4 fl. oz. .. | 3/4 | 5/7 |
| 16 fl. oz. .. .. | 11/4 | 18/11 |
| 80 fl. oz. (For dispensing) | 53/4 | 88/11 |

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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# *Quinine and Phosphorus Tonic*

We can now resume deliveries of this popular Tonic, and accept a few new customers

## *Children's Cough Balsam*

## *'Contenta' Gripe Mixture*

## *Children's Tonic*

*containing*

Glycerophosphates and Hæmoglobin (Builder and Toner)

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TABLETS ¼oz. and ½oz.

SLABS AND POWDER

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7 lb. lots . . . @ 3/6d. lb. *nett.*
28 lb. ,, . . . @ 3/3d. lb. ,,
1 cwt. ,, . . . @ 3/-d. lb. ,,
5 cwt. ,, . . . @ 2/9d. lb. ,,

**LIQUORICE JUICE STICKS—FINE QUALITY.**

Assorted 1 oz. and 2 oz. sticks.
Minimum 4 lb. lots . . . @ 5/3d. lb. *nett.*

*Both items cash with order, carriage paid, prompt delivery from stock—order now*

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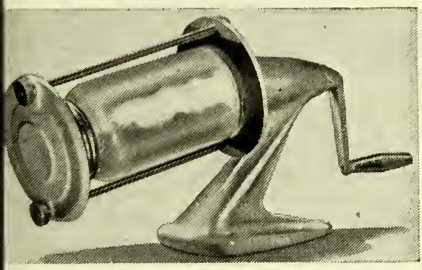

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ROTHERHAM *Established 1751* YORKS

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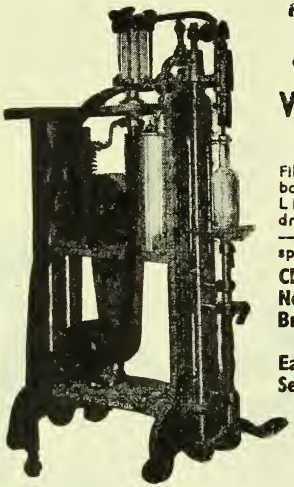

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Clean & Rapid
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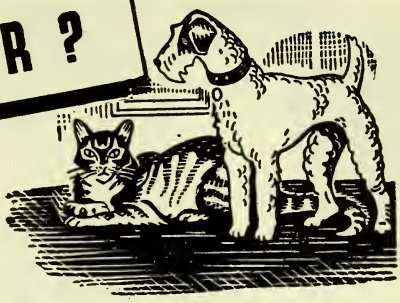

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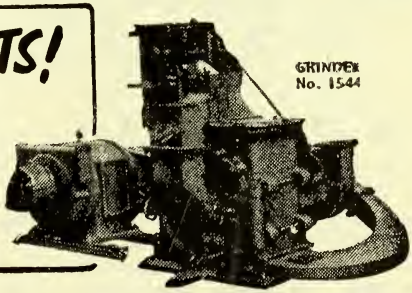

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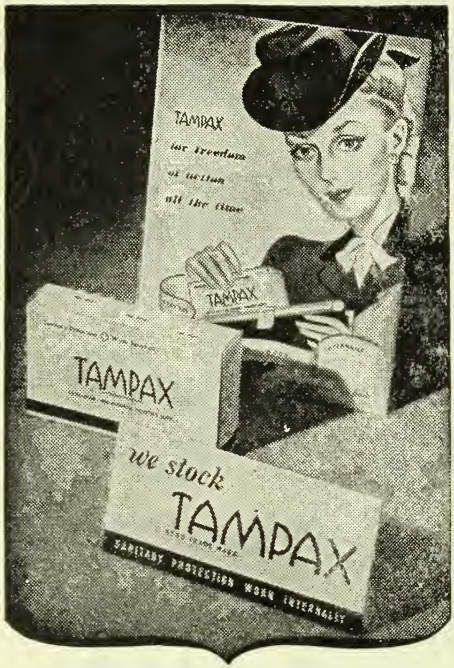


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★ Electric and Non-Electric Sterilizers.
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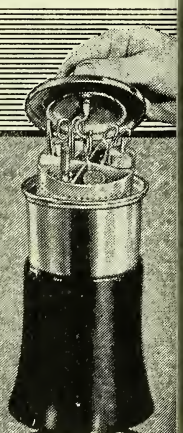

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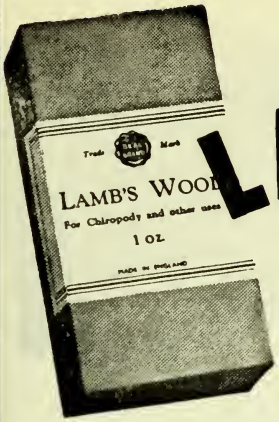


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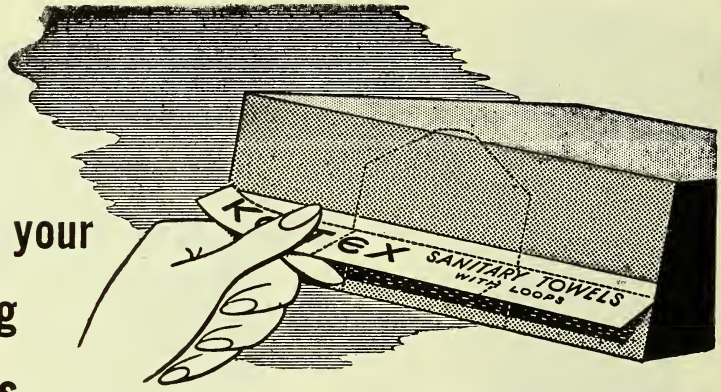


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**COMPRESSED TABLETS** EVERY KIND (BULK or PACKED)

PRIVATE FORMULAS COMPOUNDED BY EXPERTS *(Strictest Secrecy Guaranteed)*

We have specialised for many years in— **CONTRACEPTIVES** (Special Formulas), TABLETS and JELLIES

---

MARKSMAN Brand SPONGES

MARKSMAN
BRAND
SPONGES
for Satisfaction

*Prompt delivery can be given in all sizes*

Leslie Marks & Company Ltd.

7-9, EARLHAM STREET, CAMBRIDGE CIRCUS, LONDON, W.C.2.
TEMPLE BAR 6135
GRAMS: MARKSPUNJ, WESTCENT, LONDON
CABLES: MARKSPUNJ LONDON

# SPLENDOR add three more famous lines!

There is goodwill behind each of these names. The goodwil of thousands of satisfied users. That is why Splendor Ltd are proud to introduce them as members of the Splendor Range

## COREGA

The well-known Denture Fixative in superfine powder form It is an old friend of millions of false teeth wearers who wil welcome the return of its cushion-soft, day-long security

Retail Price, large size, **2/6**

## POLIDENT

The new Polident has a different pack and an improve Formula. It cleans and sterilizes dentures more rapidly an effectively than ever. Polident is well known to most chemist and we confidently anticipate continually increasing demand

Retail Prices, small size, **1/7**; large size **2/6**
(Both prices including P.T.)

## ORLEX

Orlex compound for restoring colour to grey hair is a safe effective treatment and is in constant demand. It has bee proved over many years and will be wanted as long as me and women have grey hair.

Retail Price, **3/6** (including P.T.)

*All these products will be widely advertised and backed by the Splendor organisation. A postcard will bring testing samples or a representative.*

**SPLENDOR LTD.**
**LONDON AND NOTTINGHAM**

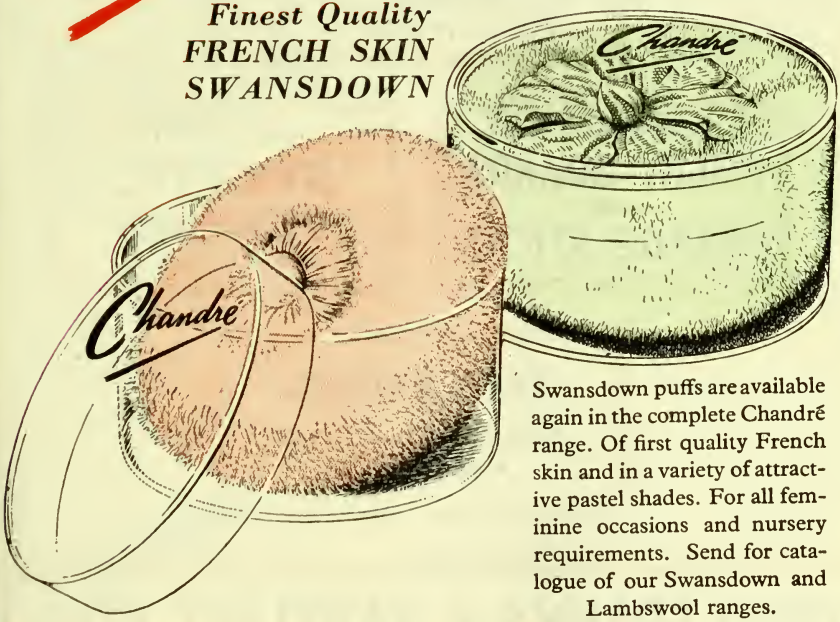
*Export Enquiries:* SPLENDOR EXPORT (ENGLAND) LTD., NOTTINGHAM

# EMMET
## DISTRIBUTING CO. LTD

*Sole Distributors throughout the World for*

*Chandré* **BEAUTY** *and* **BABY PUFFS**

*Finest Quality*
*FRENCH SKIN*
*SWANSDOWN*




Swansdown puffs are available again in the complete Chandré range. Of first quality French skin and in a variety of attractive pastel shades. For all feminine occasions and nursery requirements. Send for catalogue of our Swansdown and Lambswool ranges.

**AS EXHIBITED at the B.I.F. Olympia**

*Enquiries to :*
**EMMET DISTRIBUTING CO. LTD. 140 PARK LANE, LONDON, W.1** **MAYfair 6756**

All Profitable Sellers

ANTI-GLARE
SUN SPECTACLES
PREVENT
EYE-STRAIN

SCIENTIFIC CROOKES LENSES

**DHAUSSY PAD**
HAIR REMOVER AND SKIN BEAUTIFIER
7d. PER PACKET OF 1 PAD

BARTLETT
**EMERY BOARDS**
AND
**ORANGE STICKS**

BARTLETT
**STYPTIC PENCILS**
IN BAKELITE CASES

**SILKTONA**
LIQUID STOCKING SUBSTITUTE

*Sole Distributors to the Drug Trade:* *Order from your Wholesaler*

**ALFRED FRANKS & BARTLETT CO. LTD**
AUDREY HOUSE, ELY PLACE, HOLBORN CIRCU
LONDON, E.C.1

TELEPHONE: HOLBORN 1078-9

# Bouquet for the Chemist

Whether or not it is true that commercial and professional integrity have suffered a decline of recent years, one thing is certain—the reputation and public goodwill of the pharmacist stand higher than ever before. That is why we value your recommendation of the following International Laboratories products, where suitable:

**Dō-Dō**
**ASTHMA TABLETS**

**DO-DO PASTILLES**
Prophylactic Treatment for the Common Cold

**PARMINT**
**Cough Specific in two forms**
Ready to use Linctus and Concentrated Essences

**RHEUMAGIC** Liniment

**KARMOID** Laxative

*From your usual Wholesaler, or direct from:*

**International Laboratories, Ltd.**

**1-3, Smedley Street, London, S.W.8**

*Telephone: MACaulay 3481* *Telegrams: "Parmintus, Clapcom, London"*

WESTMINSTER LABORATORIES LTD.

CHALCOT ROAD, LONDON, N.W.1 Telephone PRIMROSE 3395/6/7

# "7 o'clock and all's well"...

## 7 o'clock and all's well

**MORNING AND EVENING**

Shaving starts the daily round —
Choose a blade that's triple-ground,
Sharp . . . then sharper . . . sharpest yet —
7 O'CLOCK'S the one to get.

If you start the morning right
Smooth of cheek you face the night.
When the music weaves its spell —
7 O'CLOCK and all's well.

**7 o'clock BLADES**

● *one of a series of forceful* 7 O'CLOCK *blade advertisements appearing in the National Press.*

# the 2d blades that sell—and sell!

**7 O'CLOCK** blades are *sharper*, give smoother-all-round shaves.

**AND** satisfy your customers so that they return for more!

**ALL'S** well with 7 O'CLOCK blades, for —

**WELL** —just see how they sell . . . and sell!

*RETAIL PRICE* **2D** *Including Purchase Tax*

# SALTER

*Self-Indicating*

*Personal & Baby*

**SCALES**

*Now sold by licence for essential use*

*Details on request*

GEO. SALTER & CO. LTD.,
WEST BROMWICH



**Continuous and Steadily Advertised Goods**
**FOR DESTROYING RATS AND MICE**

## DANYSZ VIRUS

| Retail Price (Protected) | | Net Wholesale Price |
|---|---|---|
| Virus for Rats and Mice, single tube, | 2/- | 15/- per doz. |
| 3 tubes, | 5/- | |
| Virus for Mice only, single tube, | 1/6 | 9/- ,, |
| 3 tubes, | 3/- | |

Date-expired tubes returned to us postage paid will be exchanged free of charge.

### Danysz Virus in Liquid Form

| Retail Price | Wholesale Price |
|---|---|
| Bottles 6/- each ... ... ... | 4/6 each |
| ,, 4/6 ,, ... ... ... | 3/9 ,, |

**HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER**

Discount off Retail Prices 25 p.c. Monthly Account, or 33⅓ p.c. Cash with Order.

| | Retail | Monthly A/c | Cash with Order |
|---|---|---|---|
| ½ gall. tins | 10/- | 7/6 | 6/8 |
| 1 ,, ,, | 18/- | 13/6 | 12/- |
| 5 ,, ,, | 80/- | 60/- | 53/4 |

## DANZO BEETLE POWDER

**For destroying Blackbeetles, Cockroaches, Crickets, etc.**

| Retail Prices (Protected) | Wholesale Prices |
|---|---|
| In cartons 9d. each ... ... ... | 6/9 per doz. |
| ,, 1/6 ,, ... ... ... | 13/6 ,, |
| ,, 3/- ,, ... ... ... | 27/- ,, |

Danzo Beetle Powder will not deteriorate by keeping.

**CARRIAGE PAID ON ALL ORDERS**

*To be obtained from*

**HALLER LABORATORIES, LTD.**
**325, Borough High Street, LONDON, S.E.1**

Telegrams: "Virudana, Sedist, London." Telephone: Hop. 271



# Death to Flies!

SCOTT'S

**D.D.T**

**FLY and MOTH PAPERS**

**3D EACH**

**DESTROY FLIES ON CONTACT**

**THIS YEAR'S FASTEST SELLING LINE**

Scott's D.D.T. Fly Papers will clear a room of flies, gnats, midges, etc., in no time. D.D.T. is absorbed through the pads of the flies' feet which causes death very quickly.

**PRICE 24/- PER GROSS**

*TRADE & WHOLESALE ENQUIRIES INVITED*

*Sole Manufacturers:*
J. & K. SCOTT,
MANUFACTURING CHEMISTS,
51, SUMMER ROW • BIRMINGHAM, 3.

DISTRIBUTORS: SWINNERTON'S
SHIRE OAK WAREHOUSE • STONNALL • WALSALL



# 2D DYANESE 3D
## FADELESS DYES

**STOCKING** (except Black). **16/- gross**

**CURTAIN & COLD WATER, 24/- gross**

(Including Black Stocking)

***Please order from our Sole Agents***

Gt. Britain—W. B. Cartwright, Ltd., Rawdon, Leeds
N. Ireland—T. McMullan & Co. Ltd., 42, Victoria Street, Belfast
Eire—May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6



# MANUFACTURERS

We are now expanding our selling organisation which is Nation-wide and covered by Resident Representatives. We cordially invite you to contact us if you manufacture Paper Toilet Sundries, Brushware, Manicure Accessories including Combs and General Toilet Requisites.

**ANGEENE** **DISTRIBUTING AGENTS**

**20 PARKSIDE, LONDON, N.W.2**

HAPPY RETURN to PRE-WAR quality

DUNLOP
HOT WATER BOTTLES

emand still outstrips supply and you may not therefore be able to buy all the unlop bottles you can sell—DUNLOP RUBBER CO. LTD., Cambridge Street, Manchester.

47G/SG1

SUN-GLASSES

- All fitted with non-splint safety or "Crookes-Chances" lenses
- Largest variety! Beautiful range of colours
- Clip-Overs with curved lenses
- Moderate prices:

Obtainable through usual Wholesalers:—
S. Maw, Son & Sons, Ltd., etc.

ll Retail & Wholesale terms from:

errard, Walters & Co., Ltd.
7-8 HATTON GDN., NEW HOUSE
LONDON, E.C.1
Telephone: HOLborn 5016

WOMEN KNOW FROM EXPERIENCE THE SECURE COMFORT OF

MENE
SANITARY TOWELS

and

MENEX
SOLUBLE

SUPPLY THEM WHENEVER YOU CAN

ROBINSON & SONS LTD · CHESTERFIELD & LONDON

LET US PACK YOUR PRODUCTS

OR MANUFACTURE AND PACK

ANY QUANTITIES

YOUR NAME

YOUR NAME

YOUR NAME

T.J. FAVELL & Co LTD

Manufacturing Chemists

PHONE ARCHWAY 1846

192, SEVEN SISTERS ROAD, LONDON, N.4.

PHOTOGRAPHIC FINISHING FOR THE TRADE

We are now in the position to handle all kinds of photographic finishing work for the trade, including developing, printing, enlarging, copying etc., also commercial and industrial photography in the Oxford and London districts. Your enquiry will receive prompt attention.

WILL R. ROSE LTD

Oxford Works

20, St. Ebbes Street

OXFORD

In the Public Eye . . . . .

The goodwill possessed by any product is the most valuable sales factor to the retailer - especially in the immediate uture. Despite severe space restrictions DRUMMER DYES have steadily kept their name in the public's eye through advertising in the National Daily Press, Magazines and from the poster hoardings.

DRUMMER DYES

Also makers of JIFFY DYES

Made by Wm. EDGE & SONS LTD. - BOLTON

Something really new in insecticides!

A sensational NEW insecticide recently evolved from a powerful formula will prove a tremendous seller in 1947.

"NO-ESCAPE" INSECT POWDER 666 (Gammexane) kills all vermin by contact and outclasses the ordinary insecticide. Once a customer has used "NO-ESCAPE" in killing flies, fleas, bugs, beetles, cockroaches, crickets, etc., he is sold for life. Harmless to animals. Approved by I.C.I. Retail 1/- Wholesale 96/- per gross.

(Min. quantity 6 dozen)

*Send your enquiries at once to:*

PROMEDICO PRODUCTS, London, N.4.

NOSCAPE 666

INSECT POWDER

KILLS VERMIN BY CONTACT

A TREMENDOUS SELLER!

BUNION **B·D** DRESSING

*Extensively Sold on the Continent as "Baume Dalet"*

Evolved by a French physician for the treatment of Bunions, "Baume Dalet" has for many years enjoyed a wide sale on the Continent. Its distribution and manufacture in this country, under the name of B.D. Bunion Dressing, has now been arranged. Through you, we recommend sufferers from Bunions to try the B.D. Bunion Dressing Treatment. This product will give you a steadily increasing turnover. In tubes 3s. 4½d. inclusive of Purchase Tax. Enquiries are invited.

WILSONS (Bradford) LTD., 18 OLD TOWN, LONDON, S.W.4.

**No Empties No Fulls**

ur supplies of squashes and cordials are now strictly ated to the number of empty bottles you return. e Soft Drinks Industry has been compelled to make s rule as only negligible numbers of new bottles being obtained. You, in turn, must insist upon every stomer handing in an empty S.D.I. bottle before you pply a full one, otherwise your future supplies of uashes and cordials will be cut. It is regrettable, and ugnant to the manufacturers, but there is no option. *e fact is the empty bottles are not coming back.*

***make a fast rule of***

**BOTTLE FOR BOTTLE**

e Soft Drinks Industry ar Time) Assocn. Ltd. **S·D·I** 42 Upper Grosvenor Street, London, W.1

CVS—66

**SANITARY TOWELS**

Made by Specialists in Surgical Dressings

*Supplies unavoidably restricted at present*

**ARTHUR BERTON LTD.**
**256/260 Old St., London, E.C.1**

# M.O.

Registered Trade Mark

## MAGNESIA OIL

**What M.O. definitely does not cause:**

DISTENSION
ERUCTATION
ANAL LEAKAGE
TENESMUS
IRRITATION
UTERINE ACTIVATION
SUPERVENING STASIS
HABITUATION

**What M.O. definitely does effect:**

EVACUATION
REGULAR HABIT
ALKALINE REACTION
ADSORPTION
ARREST OF PUTREFACTION
MUCOSAL BLANDNESS

**We regret that owing to the present shortage of medicinal paraffin there is only a limited supply of M.O. (Magnesia Oil) in 8-oz. and 16-oz. bottles.**

**Order *yours* to-day.**

MUSTEROLE FINE PRODUCTS CO. LTD.
BROOK HOUSE, PARK LANE, W 1.

P.A.T.A.

Sole Distributors:
THOS. CHRISTY & CO. LTD., FARNHAM, SURREY

Acute Gastro - Intestinal Infections

# DIMOL SYRUP

for

RAPID ACTION

| PRICE | Minimum Retail Price | Tax Each | Minimum Wholesale Price |
|---|---|---|---|
| 4 oz. | 3/6 | 5d. | 29/5 doz. |
| 16 oz. | 12/- | 1/5 | 100/10 „ |

Whatever the Gastro - Intestinal condition DIMOL is indicated

*Distributing Agents:*
THE ANGLO-FRENCH DRUG CO., LTD.,
11-12, Guilford Street, London, W.C.1.
Telegrams: "Ampsalvas London."
Telephone: HOLborn 6011.

Dimol Laboratories, Ltd.,
34/40, Ludgate Hill, London, E.C.4.

GUM DROPS & PASTILLES
*Manufactured in FRANCE*

All Flavours — All packings, also loose.
Large quantities immediately available for export to all countries — Bargain Prices.

GUENOT *Manufacturing Chemists,* 14 avenue Mozart, PARIS, FRANCE

D. C. L. VITAMIN $B_1$ YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1·4 mgm. of Riboflavin, and 8·0 mgm. Nicotinic Acid.
Each tablet contains 100 I.U. (approx.) Vitamin $B_1$.
100 TABLETS 3s. 9d.
50 TABLETS 2s. 3d.
THE DISTILLERS CO., LTD.
EDINBURGH

BRITISH MADE **AMPOULE FILES**
**are now available**

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

**DOMINION STEEL CORPORATION LTD.**

"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

# BROVON INHALANT

THE REMEDY FOR ASTHMA EXCELS ALL OTHERS

Expresses the Opinion of Tens of Thousands of Critical Asthmatics.

Display and recommend it; repeat sales will follow automatically.

The Profit is Generous

8/4d. per ½ oz. bottle, *and in larger sizes.*

MOORE MEDICINAL PRODUCTS LTD

ABERDEEN · SCOTLAND

Y THE MAKERS OF

# MALTO BAR

OUND VALUE
GENEROUS DISCOUNTS

Also Peppermint Tablets
Minettes (throat antiseptic pellets)

Wholesale and Retail Enquiries to :

**FFINED BASIC CHEMICALS LTD.**

Empire Works, Desborough Road,
High Wycombe, Bucks.
*Telephone :* HIGH WYCOMBE 2266/7/8.

## It's Illegal—

*Maybe!*—to use a distillation apparatus in one's boudoir without a very special permit. The Field organisation, however, with its scientific planning, permits the products of distillation to be used for all fine perfumery and adds to beauty anywhere. Can we offer you our technical help?

*Field*

PERFUME COMPOUND SPECIALISTS

FIELD & CO. (LABORATORIES) LTD., MOUNT PLEASANT, ALFRETON, MIDDLESBROUGH

Display
THIS SHOWCARD

and get your share of extra custom.

This attractive Show Card In Full Colours (only 9½ × 8½ inches) needs no strutting or fixing, a 1 lb. jar in the centre of stand makes a rigid display. Placed on the Counter or in the Window it compels attention and creates sales.

EDME "AUTUMN SUN" is a Malt and Oil of supreme quality, manufactured from the finest Barley Malt and Cod Liver Oil obtainable.

National Advertising during the Winter months will bring increased trade to the Pharmacies that stock EDME "AUTUMN SUN."

For particulars and prices write to:—

EDME LIMITED · IMPERIAL HOUSE, REGENT ST., LONDON W.I.
TELEPHONE REGENT 5563-4

Cyclo

"CYCLOCHEM"
EM. 630
for Leg Make-up Preparations of Liquid or Creamy Consistency

EM. 194
SOLUBILISING AGENT
for the production of clear, aqueous solutions of Essential Oils and Perfumery Synthetics

*Ask for our 24-page Handbook "Cyclochem Self-Emulsifying Waxes"*

CYCLO CHEMICALS LTD.
*Wax Refiners and Chemical Manufacturers*
MANFIELD HOUSE, STRAND, LONDON, W.C.2

A "NEW" PALATABLE, CONVENIENT FORM OF ASPIRIN!

Order supplies of ASPIRIN 309 immediately—continuous Local and National Advertising supports you. Samples—and Display materials sent free upon request. *Manufactured by Smith, Saville & Partners Ltd. Willshaw St., London S.E.14*

ASPIRIN 309
*Sold to the Public only through Chemists*

HALMAGON
Brand Tablets
WRITE FOR OUR NEW SHOWCARD
*Ask your Wholesaler*
4-Tube Box 3/11½; 15-Tube Box 11/10
(Including Purchase Tax)
Sole Distributors:
MARSHALL'S PROPRIETARIES LTD.
127/133 High Street, Croydon.

# THERE IS ONLY ONE WINNER

*when* ***INSECTS*** *challenge*

**SECTO** Regd. **D.D.T.**

## The insecticide that sells on sight and repeats on merit

***Made in the Factory that supplied H.M. Government with D.D.T. products during the War.***

Retail Prices of SECTO D.D.T. are :—

**Powder 1/3 2/6 5/6 Liquid 3/- 6/- 15/-**

*Usual Trade Profit Margins and Discounts*

## SECTO CO. LTD., BLACKBURN

We open the Gate of INDIA to British Products

The "House of Munjee"— one of India's foremost and complete selling organizations, wish to extend their clientele —of world famous concerns—by offering British Manufacturers interested in the vast, wealthy and potential market of India, the complete representation, security and service, which only an experienced organization can give

All orders are paid for in England — we ship and sell. Interested Principals are requested to write for further details.

INDIA NEEDS — LIGHT & HEAVY ENGINEERING PRODUCTS · ELECTRICAL FITTINGS & EQUIPMENT · BUILDING MATERIALS AND PRODUCTS · REFRIGERATORS · RADIO EQUIPMENT · CARS, TRANSPORT VEHICLES, PARTS & FITTINGS · HARDWARE AND HOUSEHOLD GOODS · PLASTICS · FURNITURE · SPORTS GOODS · POTTERY & GLASS WARE AND ALL LUXURY ITEMS ETC. ETC.

**MUNJEE (ENGLAND) LIMITED**

14 CURZON ST LONDON W.1 TELEPHONE GRO[illegible]

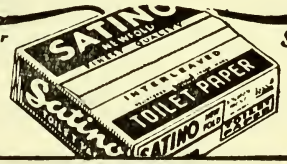
QUALITY & QUANTITY

**Satino**

**TOILET PAPERS**

Rolls 1/1½. Pkts. 11½d.

*Super* *Soft*




*The Paper Specialists :*

**FREEDER BROTHERS PAPER MILLS**
**BRIMSDOWN, ENFIELD, MIDDLESEX**

NEOLITE
Hairbrushes
for the Nursery

The NEOLITE Babies' Brush with specially adapted, silky, synthetic bristle is hardwearing, easily washed, and is available in a fascinatingly designed range of delightful crystal and pastel colourings.

BABIES' MODEL (Illustrated) RETAIL 14/6 inc. tax. Also with hand-painted floral and nursery designs.

The NEOLITE range also includes Children's Brush, Ladies', Gents', Clothes, Bath and Complexion Brushes and Crystal Dressing Combs to match.

Luxuriously finished in jewelled plastic. A supreme example of modern elegance in toilet-ware.

Hand-made
Wire-drawn
A product of British
Craftsmen

UNIVERSAL BRUSH CO. LTD., LUTON, BEDS

Dr JANSSEN'S
BRAND
TEA & TABLETS

These tonic remedies for figure fitness are in greater demand than ever. National advertising stimulates this demand and makes them ready sellers. Supplies are readily available. If you want to share in this demand write for details of prices and packings.

● Wholesale distributing agents are wanted in most areas throughout the country.

Dr. JANSSEN LTD
52, BAKER ST. LONDON. W.1.

Dr. White's
KOMPO
FOR
COLDS

Manufactured only by
J. F. WHITE & CO., LTD.
Lovington Laboratory, Bermon St., Leeds, 7

LABELS OF ALL KINDS
FOR THE
CHEMIST

B&B
Telephone 21735.

SEND FOR SAMPLES TO
BRIGGS & BAMFORTH
CHEMISTS' PRINTERS,
KINGS AVENUE, LEEDS 6.

# BEAR

BRAND

# HONEY

**BULK AND PACKED**

FOR MANUFACTURING AND TABLE USE

**L. GARVIN & Co. Ltd.**

BRANCH

**THE BEAR HONEY CO. LTD.**
**ISLEWORTH, MIDDLESEX**

Hounslow 3483/4



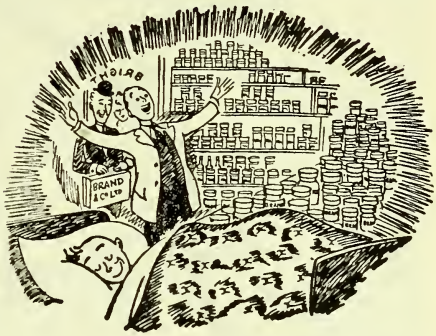
**LINK UP with THIS BIG CAMPAIGN**

gorous Press and Poster Advertising is tting **VITAL FORCE** over in a big way. ke a share of this profitable business. Let us nd Display material and Showcards (in full our), together with handsome terms. Retails at 3/9d.

**ACLENNAN PRODUCTS LTD.**
**9, MONTRELL ROAD, LONDON, S.W.2.**



*Little-known Limericks—No. 34*




There was a young chemist
called Bright
Who dreamed the same
dream every night:
On his shelves and his
stands
He saw jars labelled
'Brand's,'
And he cried: "What a
glorious sight!"

It's difficult *not* to dream of the days when there will be plentiful supplies of Brand's goods. Meanwhile, the Brand's man does his best for you by taking your order in strict rotation and delivering your quota *promptly*. This way, you're sure of getting your fair share of what is available.

Brand & Co. Ltd.
London

*As an Antacid*
*or in febrile conditions*
*MEDICINAL*
**Lembar**

Soluble extract of
Barley ... 7.4%
Sugar ... ... 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

Plus Flavouring and permitted preservative

The above percentages are expressed in weight per given volume

justifies the doctor's highest recommendation
Available in limited quantities

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18

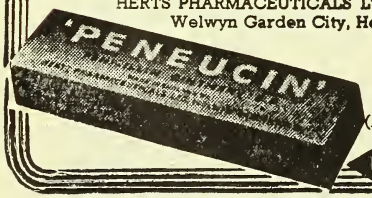
Introducing
'PENEUCIN'
TRADE MARK BRAND
PENICILLIN OINTMENT B.P.

In 'PENEUCIN', penicillin is compounded with 'Eucerin' Anhydrous, our well-known brand of Ung. Alcoh. Lanæ B.P. 'PENEUCIN' provides an elegant, stable and non-irritant ointment for use whenever penicillin ointment B.P. is prescribed.

'PENEUCIN' is supplied in tubes of 30 grammes, each gramme containing 500 units of penicillin (calcium salt).

Trade price per dozen tubes 16/-
Retail price per tube 2/-

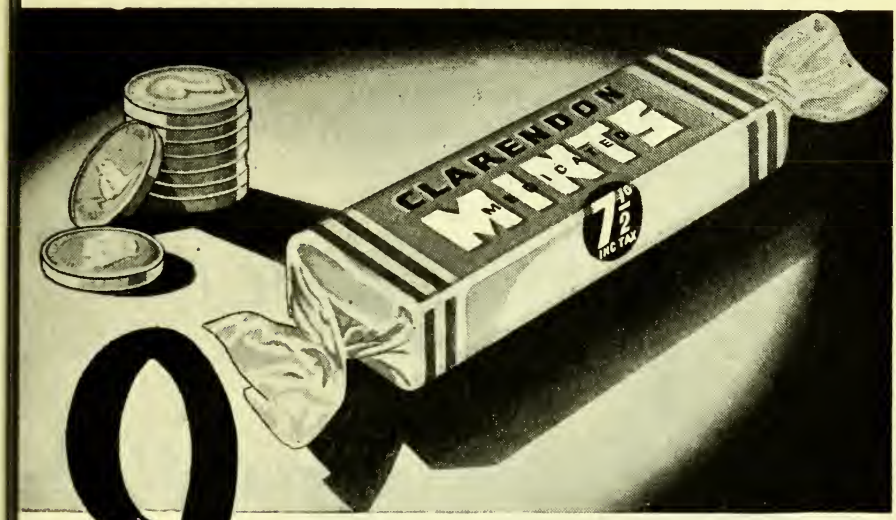
HERTS PHARMACEUTICALS LTD.,
Welwyn Garden City, Herts.




(M.27)
HPL

1/3 (20 Powders). 6/- (96 Powders) inc. Tax.
The 6/- Size Sold at 1d. each—Good Profit.
Fritchard's Ltd., Cheadle, Cheshire, Eng.

SURE-SELLING STOCK!
OVER 150 YEARS REPUTATION
KEARSLEY'S
THE ORIGINAL
WIDOW WELCH'S FEMALE PILLS
9d. BOX PROFIT by ordering 1 dozen 2/10 size. Bonus box given on every dozen (13). It pays to push this size.
C. & G. KEARSLEY LTD.
71 Dartmouth Rd., London, S.E.23
Est. 1787 in the Reign of King George III

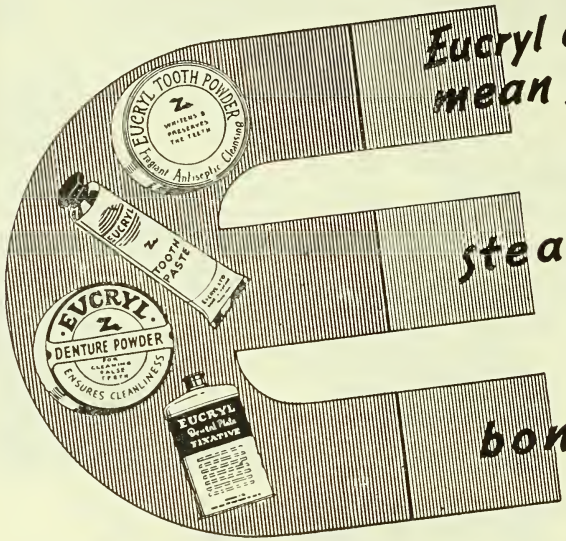



# 9 FARTHINGS

**... in other words 2¼d. is your profit every time you sell a 7½d. Pkt. of CLARENDON Digestive Mints**

Order direct from Johnson Agencies (Proprietaries) Ltd., Clarendon Works, Clarendon Road, Croydon, or from your usual Wholesaler.

**JOHNSON AGENCIES** (Proprietaries) **LTD.** Clarendon Works, Clarendon Road, CROYDON, SURREY.

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3/- and 5/-
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**GOOD PRODUCTS**

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Heat sealing, moisture proof, very fine quality. Size 4⅜" x 2¼" with ⅜" gusset.

Price **17/6** per thousand quantity available 1,000,000

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We have available for disposal, ex stock, large quantities of

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In various sizes, regular supplies

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*Have surplus imports in*

**PERFUMERY BOTTLES and JARS**

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**216, Anlaby Road, KINGSTON upon HULL**

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loose in bulk 1 cwt. and upwards only

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**LIQUORICE AND MENTHOL PELLETS** *NO POINTS REQUIRED*

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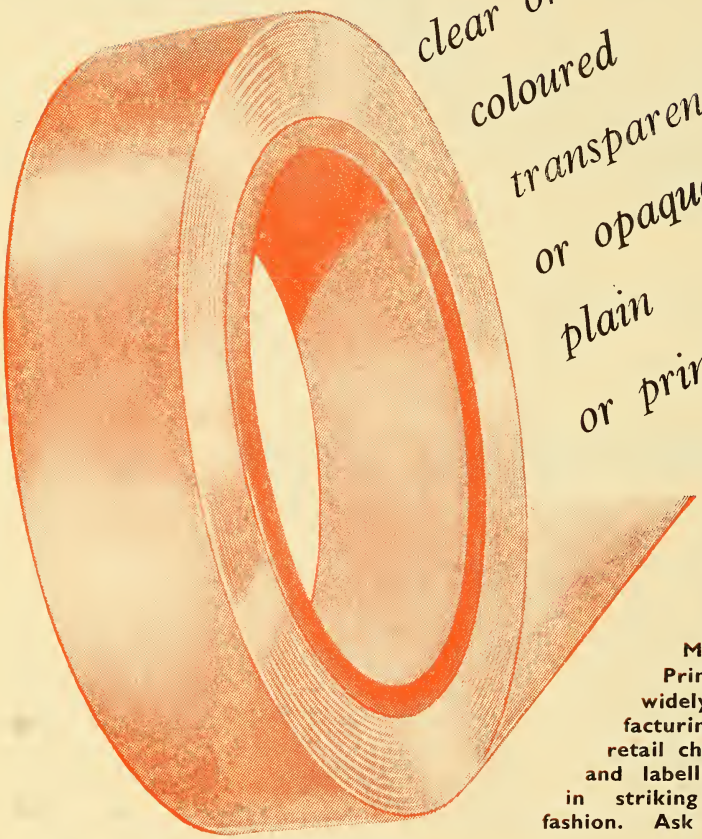

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